

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-080**

**Leonardo S.p.A. Helicopters AW169  
S/N: 104377-1355**

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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: 9 May 2023**

**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 July 2016

A. Type or variant of aircraft:	AW169
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/3-DOF Electric Vibration Platform
F. Engine fit	Pratt & Whitney PW210A - FADEC SW V. 3.1
G. Instrument fit	Leonardo Helicopters avionic system phase v. 6.0. NVG ready H6A8 CDS - Two PFD, one MFD, ISIS, two ECDU (sw 6.0.2). AFCS sw v. X2A3.0, AMMS sw v.6.1.2, WX Radar RDR 1600, FCS sw v 3.1.
H. ACAS fit	Rockwell Collins TCAS 4000 (SW 7.1)
I. Windshear	Windshear reproduction available
J. Additional capabilities	Installed kits: Hoist (1 sling), Floats, SVS, EVS, NVIS, cargo and hook cameras, DMAP, EFB class 1 mounting kit, 4800 kg MTOW increase.
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
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, landing sites: "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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 Name: **Dr. Ing. Mario Tortorici**  
**Airworthiness & Operations**  
 Title: **Director**