



**USER APPROVAL CERTIFICATE**

Ref. No. : CAAM/BOP/1/205

Ser. No. U107/24

It is hereby certified that

**LEONARDO S.P.A. HELICOPTERS**

is issued with this User Approval Certificate under Regulation 68 of the Civil Aviation Regulations 2016 to use the following FSTD:

**FLIGHT SIMULATION TRAINING DEVICE – LEVEL D  
SERIAL NO: 2ERK-1074**

Helicopter Type

**AW139**

operated by

**PWN Excellence Sdn. Bhd.**

located at

**Lot 14100, Jalan TUDM, Pangkalan Udara Subang  
40150 Shah Alam, Selangor**

To conduct training, testing and checking as specified in the attached **Training Specifications**. This User Approval validity shall depend on the continued validity of the device(s). It is not transferable and unless revoked, suspended or varied shall continue in effect until

**30 SEPTEMBER 2025**

Date: 01 October 2024

  
OPS

CAAM Stamp:



**DATU' CAPTAIN NORAZMAN MAHMUD**  
Chief Executive Officer  
Civil Aviation Authority of Malaysia

# CIVIL AVIATION AUTHORITY OF MALAYSIA



## FSTD QUALIFICATION SPECIFICATIONS: 2ERK-1074

Ref. No.: CAAM/BOP/1/205

Ser. No.: 107H/24

A.	Type or variant of aircraft:	Leonardo AW139
B.	FSTD qualification level:	Level D
C.	Primary reference	CS-FSTD (H)
D.	Visual system:	CAE Medallion 6220 Visual System 210° x 80° Projectors: Qty 08 Barco Sim5W
E.	Motion system:	CAE Inc. EMM60 6 DOF motion / 3 DOF Electric Vibration
F.	Engine fit:	P&W Canada PT6C - 67C Turbines
G.	Instrument fit:	According to aircraft type
H.	ACAS fit:	TCAS I (under Epic Rev. 5.6) / TCAS II (under Epic Rev. 7.4)
I.	Windshear:	Profile available
J.	Additional capabilities:	None
K.	Restrictions or limitations	None
L.	Guidance information for training, testing and checking considerations	
CAT I	RVR 550m DH 200ft	Yes
CAT II	RVR 350m DH 100ft	No
CAT IIIA	RVR 200m DH 50ft	No
CAT IIIB	RVR 100m DH 0ft	No
LVTO	RVR 150m	Yes
Recency		Yes
Zero Flight Time		No
IFR- Training / Checking		Yes / Yes
Type Rating (Licensing Skill Tests)		Yes
Proficiency Checks (Licensing Skill Checks / Operators Proficiency Checks)		Yes
Auto-Coupled Approach		Yes
Auto-Land / Roll Out Guidance		No / No
ACAS I / II (TCAS ver 7.4)		Yes
Windshear Warning System / Predictive Windshear		No / No
Weather Radar		Yes
HUD / HUGS / EVS		No / No / No
FANS		No
GPWS (HTAWS) / EGPWS		No / Yes
ETOPS / EDTO Capability		No / No
GPS / LVS / WAAS		Yes / No / No
RNP AR APCH		Yes
UPRT		No
F1180 Simulator approved items (Flight Engineer)		No
Other(s): Airborne Radar Approach (ARA), Ditching, Emergency Floats, Ship Landing, Rig Landing, Elevated Platform Landing, SAR, HESLO, NVIS, FIPS, HEMS.		

Valid Until: 30 September 2025

Date of issue: 01 October 2024

OPS

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