

Approved Training Organization Certificate

CAA certificate number, ATO-H 014

Leonardo S.p.A. – Helicopters
Via Indipendenza 2, 21018 Sesto Calende (VA)
Italy

The above named organization complies in all respect with the Directorate General of Civil Aviation Regulation (DGCAR), Requirements of the Sultanate of Oman, relating to the establishment of an Approved Training Organization for the following courses:

Initial type rating, recurrent, SFI, SFE, TRI, TRE on:

AW 109 and AW 139 Helicopters

This Certificate unless cancelled, suspended or revoked shall continue in effect until 29th July 2023

Date of issue: **31** July 2021



**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H011**

In Compliance with the applicable Civil Aviation Regulations and Flight Operations Inspection Procedures of the Sultanate of Oman, an evaluation was carried out on below FSTD by Directorate General of Civil Aviation Regulation (DGCAR).

Aircraft Type: A109E
Operated by: Rotorsim S.r.l.
Manufacture Serial No.: 2EAH-549 (CAE)
Qualification Level: Helicopter FFS Level D
Located at: Leonardo S.p.A. – Helicopters
Via Indipendenza 2, 21018 Sesto Calende (VA) - Italy
Evaluation Date: 28th July 2021

This FSTD has been evaluated against the applicable aircraft and DGCAR approved trainings programs and has been 'User Approved' for the following AOC holder of the Sultanate of Oman.

Royal Police of Oman

This Certificate unless cancelled, suspended or revoked shall continue in effect until 25th July 2023.

Date 31 July 2021



**Shadiya Mohamed Al-Hajry
A/Director, Flight Safety
Civil Aviation Authority
Sultanate of Oman**

**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H011**

A	Type or Variant of aircraft	A109E
B	FSTD Qualification Level	Helicopter FFS – Level D
C	Primary reference	ICOA DOC9625/ORI section II
D	Visual System	CAE Medallion 6220 Image Generator, 5 X LCOS Barco SIM-7Q projectors, 220°X60° FOV collimated display. Day, Night, Dawn and Dusk.
E	Motion System	CAE Series 660 6-DOF Hydraulic with 3-DOF Vibration Platform
F	Engine Fit	PWC PW206C
G	Instrument fit	EFIS based KRATOS avionic suite as per aircraft. NVG ready.
H	ACAS Fit	N/A
I	Windshear	Windshear reproduction profiles available
J	Additional capability	Helicopter operative kits: searchlight, moving map, emergency floats, EAPS, cargo hook, external hoist, NVIS.
K	Restriction	None
L	Guidance Information for Training, Testing and checking condition	
	CAT I RVR 500 m DH 200 ft	YES
	CAT II RVR 300 m DH 100ft	N/A
	CAT III RVR 75m DH NIL 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
	ACAS I/II	N/A / N/A
	Windshear warning system / predictive windshear	N/A / N/A
	WX-radar	YES
	HUD / HUGS	N/A / N/A
	FANS	N/A
	GPWS / EGPWS	N/A / N/A
	GPS	YES
	ETOPS	N/A
Other:	Qualification Visual Scenes: LIRF, LIRA and LIRB airports, confined areas, elevated heliports, oil rig.	

Date: 31 July 2021



**Shadiya Mohamed Al-Hajry
A/Director, Flight Safety
Civil Aviation Authority
Sultanate of Oman**

**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H012
#1**

In Compliance with the applicable Civil Aviation Regulations and Flight Operations Inspection Procedures of the Sultanate of Oman, an evaluation was carried out on below FSTD by Directorate General of Civil Aviation Regulation (DGCAR).

Aircraft Type: AW139
Operated by: Rotorsim S.r.l.
Manufacture Serial No.: 2EFS-628 (CAE)
Qualification Level: Helicopter FFS Level D
Located at: Leonardo S.p.A. – Helicopters
Via Indipendenza 2, 21018 Sesto Calende (VA) - Italy
Evaluation Date: 27th July 2021

This FSTD has been evaluated against the applicable aircraft and DGCAR approved trainings programs and has been 'User Approved' for the following AOC holder of the Sultanate of Oman.

Royal Police of Oman

This Certificate unless cancelled, suspended or revoked shall continue in effect until 25th July 2023.

Date 31 July 2021

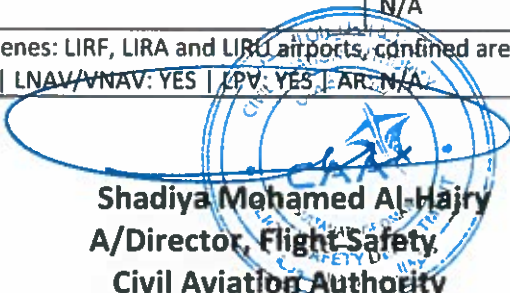


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Sultanate of Oman

**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H012
#1**

A	Type or Variant of aircraft	AW139
B	FSTD Qualification Level	Helicopter FFS – Level D
C	Primary reference	ICOA DOC9625/ORA section II
D	Visual System	CAE Medallion 6220 Image Generator, 5 X LCOS Barco SIM-7Q projectors, 220°X60° FOV collimated display, 2 displays for chin windows. Day, Night, Dawn and Dusk.
E	Motion System	CAE Series 660 6-DOF Hydraulic with 3-DOF Vibration Platform
F	Engine Fit	PWC PT6C-67C
G	Instrument fit	EFIS Honeywell, Avionics Primus EPIC Suite SW Phase 7.4, 4-axys AFCS with SAR modes, ISIS, two Honeywell MCDU, FMS firmware NZ 7.01. NVG ready.
H	ACAS Fit	TCAS II (SW 7.1)
I	Windshear	Windshear reproduction profiles available
J	Additional capability	Helicopter operative kits: GW increase to 6400 kg, searchlight, moving map, emergency floats, FIPS, cargo hook, external hoist, dual GPS with SBAS, NVIS.
K	Restriction	None
L	Guidance Information for Training, Testing and checking condition	
	CAT I RVR 500 m DH 200 ft	YES
	CAT II RVR 300 m DH 100ft	N/A
	CAT III RVR 75m DH NIL 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
	ACAS I/II	N/A / YES
	Windshear warning system / predictive windshear	N/A /N/A
	WX-radar	YES
	HUD / HUGS	N/A / N/A
	FANS	N/A
	GPWS / EGPWS	N/A / YES
	GPS	YES
	ETOPS	N/A
Other:	Qualification Visual Scenes: LIRF, LIRA and LIRU airports, confined areas, elevated heliports, oil rig RNP APCH LNAV: YES LNAV/VNAV: YES LPV: YES AR: N/A	

Date: 31 July 2021


Shadiya Mohamed Al-Hajry
A/Director, Flight Safety
Civil Aviation Authority
Sultanate of Oman

**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H013
#3**

In Compliance with the applicable Civil Aviation Regulations and Flight Operations Inspection Procedures of the Sultanate of Oman, an evaluation was carried out on below FSTD by Directorate General of Civil Aviation Regulation (DGCAR).

Aircraft Type: AW139
Operated by: Rotorsim S.r.l.
Serial No.: 2ERJ-1035 (CAE)
Qualification Level: Helicopter FFS Level D
Located at: Leonardo S.p.A. – Helicopters
Via Indipendenza 2, 21018 Sesto Calende (VA) - Italy
Evaluation Date: 26th July 2021

This FSTD has been evaluated against the applicable aircraft and DGCAR approved trainings programs and has been 'User Approved' for the following AOC holder of the Sultanate of Oman.

Royal Police of Oman

This Certificate unless cancelled, suspended or revoked shall continue in effect until 25th July 2023.

Date 31 July 2021

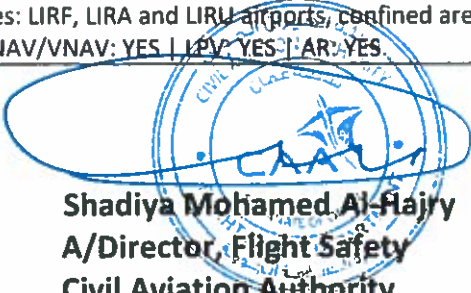


**Shadiya Mohamed Al-Hajry
A/Director, Flight Safety
Civil Aviation Authority
Sultanate of Oman**

**Flight Simulation Training Device
Approval Certificate
FSTD Number CAA- H013
#3**

A	Type or Variant of aircraft	AW139
B	FSTD Qualification Level	Helicopter FFS – Level D
C	Primary reference	ICOA DOC9625/ORA section II
D	Visual System	CAE Medallion 6220 Image Generator, 8 X Barco SIM5W DLP projectors, 210°X70° FOV direct projection. Day, Night, Dawn and Dusk.
E	Motion System	CAE EMM60 Electro-Mechanical 6-DOF with 3-DOF Electric Vibration Platform
F	Engine Fit	PWC PT6C-67C
G	Instrument fit	EFIS Honeywell, Avionics Primus EPIC Suite SW Phase 7.4, 4-axys AFCS with SAR modes, ESIS, two Honeywell MCDU, FMS firmware NZ 7.3. NVG ready.
H	ACAS Fit	TCAS II (SW 7.1)
I	Windshear	Windshear reproduction profiles available
J	Additional capability	Helicopter operative kits: GW increase to 6800 kg, searchlight, digital map, emergency floats, FIPS, cargo hook, external hoist, dual GPS with SBAS, NVIS.
K	Restriction	None
L	Guidance Information for Training, Testing and checking condition	
	CAT I RVR 500 m DH 200 ft	YES
	CAT II RVR 300 m DH 100ft	N/A
	CAT III RVR 75m DH NIL 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
	ACAS I/II	N/A / YES
	Windshear warning system / predictive windshear	N/A /N/A
	WX-radar	YES
	HUD / HUGS	N/A / N/A
	FANS	N/A
	GPWS / EGPWS	N/A / YES
	GPS	YES
	ETOPS	N/A
Other.	Qualification Visual Scenes: LIRF, LIRA and LIRL airports, confined areas, elevated heliports, oil rig. RNP APCH LNAV: YES LNAV/VNAV: YES LPV: YES AR: YES.	

Date: 3 July 2021


Shadiya Mohamed Al-Fajry
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