

European Union

Finnish Transport and Communications Agency (Traficom)

FLIGHT SIMULATION TRAINING DEVICE (FSTD) QUALIFICATION CERTIFICATE FI-3H-252H

Pursuant to Commission Regulation (EU) No 1178/2011 and subject to the conditions specified below, the Finnish Transport and Communications Agency (Traficom) hereby certifies that

FSTD level FNPT II MCC

Simulated A/C type Generic multi-engine turbine helicopter,

representative of Eurocopter EC135 P2+

FSTD manufacturer Frasca International Inc.

Serial number 7417-001

Located at Finnish Aviation Academy

Pori Airport

Ilmailuopistontie 184

28540 Pori FINLAND

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 other 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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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 8 October 2019

Signature on behalf of Traficom \bigcirc \bigcirc \bigcirc

Clarification of the signature Olli Hänninen

Title Senior Inspector, Flight Simulators



FLIGHT SIMULATION TRAINING DEVICE (FSTD) QUALIFICATION CERTIFICATE FI-3H-252H, FSTD SPECIFICATIONS, Page 1 of 2

A) Type or variant of aircraft Generic multi-engine turbine helicopter,

representative of Eurocopter EC135 P2+ (high skids)

B) FSTD qualification level FNPT II MCC,

Qualified also for type specific level FTD 3 MCC (FI-2H-252)

C) Primary reference document JAR-STD 3H initial issue

D) Visual system Frasca International Inc., TruVision Global 2 image

generator, 6 channels, spherical screen, direct projection, JVC VS-2300Z LCoS projectors, FoV horizontal 200° and

vertical 68°, day/twilight/night

E) Motion system No

F) Engine fit 2 x Generic FADEC controlled turbine engines,

representative of Pratt & Whitney Canada PW206B2

G) Instrument fit • PINAO 31111 and Solution 7 (see Eurocopter technical

data document 135.04.101.02E) with 1 x ADF
• 2 x Garmin GNS 430 (for both GPS and NAV/COM)

• Displayed by LCD panel with overlay:

2 x PFD

2 x ND

CAD (Caution and Advisory Display)

Thales SMD45 dual screen VEMD (Vehicle and Engine

Management Display)

H) ACAS fit ACAS I, Avidyne TAS600 with Garmin GNS 430 as display

-ch' 11

interface

I) Windshear No profiles are available

J) Additional capabilities
• B-RNAV (RNAV-5), P-RNAV (RNAV-1)

• RNAV (GNSS) approach to LNAV minima only

Weather Radar

K) Restrictions or limitations No

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FLIGHT SIMULATION TRAINING DEVICE (FSTD) QUALIFICATION CERTIFICATE FI-3H-252H, FSTD SPECIFICATIONS, Page 2 of 2

L) Guidance information for training, testing and checking considerations

CAT III RVR 300 m DH 100 ft N/A CAT III (lowest minimum) N/A LVTO N/A Recency N/A IFR-training / IFR-checks Yes, partially Type rating Yes, partially (note: qualified als as FTD 3) Proficiency checks Yes, partially Autocoupled approach Yes (3-axis autopilot) Autoland / Roll out guidance N/A / N/A ACAS I / II Yes / N/A Windshear warning system / predictive windshear N/A / N/A WX-radar Yes HUD / HUGS N/A / N/A FANS N/A / N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A GPS Yes Other See item J ahead	CAT I	RVR 500 m	DH 200 ft	Yes
LVTO Recency N/A IFR-training / IFR-checks Type rating Proficiency checks Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear HUD / HUGS FANS GPWS / EGPWS ETOPS capability N/A N/A Yes / Yes, partially Yes, partially Yes, partially Yes (3-axis autopilot) N/A / N/A Yes / N/A N/A N/A N/A N/A N/A N/A Yes N/A / N/A N/A FANS N/A / N/A FYES N/A / N/A N/A FYES N/A / N/A N/A FYES N/A / N/A FYES	CAT II	RVR 300 m	DH 100 ft	N/A
Recency IFR-training / IFR-checks Type rating Proficiency checks Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear HUD / HUGS FANS GPWS / EGPWS ETOPS capability N/A Yes / Yes, partially Yes, partially Yes, partially Yes, partially Yes (3-axis autopilot) N/A / N/A Yes / N/A N/A / N/A N/A / N/A N/A / N/A N/A / N/A FANS N/A / N/A ETOPS capability N/A / N/A Yes	CAT III (lowest minimum)			N/A
IFR-training / IFR-checks Type rating Proficiency checks Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear HUD / HUGS FANS GPWS / EGPWS GPS Yes, partially N/A / N/A Yes / N/A / N/A N/A / N/A Yes Yes GPS Yes	LVTO			N/A
Type rating Yes, partially (note: qualified als as FTD 3) Proficiency checks Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear WX-radar HUD / HUGS FANS GPWS / EGPWS ETOPS capability Yes, partially (note: qualified als as FTD 3) Yes (3-axis autopilot) N/A / N/A WX-radar Yes N/A / N/A N/A / N/A FANS N/A / N/A FYES	Recency			N/A
as FTD 3) Proficiency checks Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear WX-radar HUD / HUGS FANS GPWS / EGPWS ETOPS capability Autocoupled approach Yes (3-axis autopilot) N/A / N/A Yes / N/A Yes / N/A Yes / N/A N/A / N/A N/A FYES N/A / N/A YES N/A / N/A YES N/A / N/A YES N/A / N/A YES YES	IFR-training / IFR-checks			Yes / Yes, partially
Autocoupled approach Autoland / Roll out guidance ACAS I / II Windshear warning system / predictive windshear WX-radar HUD / HUGS FANS RYES N/A / N/A FANS RYES N/A / N/A FTOPS capability RYES Yes Yes N/A / N/A N/A FYES N/A / N/A FYES	Type rating			Yes, partially (note: qualified also as FTD 3)
Autoland / Roll out guidance ACAS I / II Yes / 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 ETOPS capability N/A Yes N/A Yes	Proficiency checks			Yes, partially
ACAS I / II Windshear warning system / predictive windshear N/A / N/A WX-radar HUD / HUGS N/A / N/A FANS N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A Yes N/A Yes N/A / N/A N/A Yes	Autocoupled approach			Yes (3-axis autopilot)
Windshear warning system / predictive windshear WX-radar HUD / HUGS N/A / N/A FANS N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A Yes N/A / N/A N/A Yes	Autoland / Roll out guidance			N/A / N/A
WX-radar Yes HUD / HUGS N/A / N/A FANS N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A GPS Yes	ACAS I / II			Yes / N/A
HUD / HUGS N/A / N/A FANS N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A Yes	Windshear warning system / predictive windshear			N/A / N/A
FANS N/A GPWS / EGPWS N/A / N/A ETOPS capability N/A GPS Yes	WX-radar			Yes
GPWS / EGPWS N/A / N/A ETOPS capability N/A GPS Yes	HUD / HUGS			N/A / N/A
ETOPS capability N/A GPS Yes	FANS			N/A
GPS Yes	GPWS / EGPWS			N/A / N/A
	ETOPS capability			N/A
Other See item J ahead	GPS			Yes
	Other			See item J ahead

Date of issue

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Title

8 October 2019

Olli Hänninen

Senior Inspector, Flight Simulators

