Trafi

European Union

Finnish Transport Safety Agency (Trafi)

FLIGHT SIMULATION TRAINING DEVICE (FSTD)
QUALIFICATION CERTIFICATE FI-1A-013

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

FSTD level	**Full Flight Simulator, Level DG**
Simulated A/C type	**Airbus A330-200**
FSTD manufacturer	CAE Inc.
Serial number	001
Located at	Finnair Flight Academy Ltd. Pyhtäänkorventie 11-13 01530 Vantaa 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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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	22 August 2017
Signature on behalf of Trafi	
Clarification of the signature	Olli Hänninen
Title	Senior Inspector, Flight Simulators

Finnish Transport Safety Agency

EASA Form 145 Issue 1

Finnish Transport Safety Agency
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Business ID: 1031715-9

Trafi

European Union
Finnish Transport Safety Agency (Trafi)

FLIGHT SIMULATION TRAINING DEVICE (FSTD)

QUALIFICATION CERTIFICATE FI-1A-013, FSTD SPECIFICATIONS,

A) Type or variant of aircraft	Airbus A330-200
B) FSTD qualification level	Full Flight Simulator, level DG
C) Primary reference document	Fulfills level D requirements of JAR-FSTD A except that visual FoV and geometry fulfill JAR-STD 1A amend 2
D) Visual system	Rockwell Collins EP1000CT image generator, FoV 150°x40°, collimated, 3 channels, day/twilight/night, JVC DLA-VS2300G projectors
E) Motion system	6 degrees of freedom, hydraulic, CAE series 500
F) Engine fit	• General Electric CF6-80E1A3, FADEC std E10 • Pratt & Whitney 4168A, FADEC std SCN9 • Rolls Royce Trent 772B-60, FADEC std A13.2
G) Instrument fit	• Instrument fit is Airbus Training Device Standard 2.3 • EIS2 std L6-1 • FWC std K10, Airbus (p/n LA2E20202T20000) • FMGCs are rehosted • FMGC for GE: std P3G0, Honeywell (p/n C13200GA01) • FMGC for PW: std P3HJ0, Honeywell (p/n C13200HA01) • FMGC for RR: std P3HJ0, Honeywell (p/n C13200HA01)
H) ACAS fit	TCAS II ver 7.1, Honeywell TPA-100A (p/n 940-0300-001)
I) Windshear	Windshear profiles are available, windshear warning, predictive windshear system (PWS)
J) Additional capabilities	• EFCS std L19/M18 incl. OEI Law (FFS FCOM 1.27.20 P 8) • RNAV (GNSS) approach to LNAV and LNAV/VNAV minima • Smoke generation system • ATIS
K) Restrictions or limitations	No
Date of issue	22 August 2017
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QUALIFICATION CERTIFICATE FI-1A-013, FSTD SPECIFICATIONS, Page 2 of 2

L) Guidance information for training, testing and checking considerations

CAT I	RVR 550 m	DH 200 ft	Yes
CAT II	RVR 300 m	DH 100 ft	Yes
CAT III (lowest minimum)	RVR 75 m	No DH	Yes
LVTO	RVR 125 m		Yes
Recency			Yes
IFR-training / IFR-checks			Yes / Yes
Type rating			Yes
Proficiency checks			Yes
Autocoupled approach			Yes
Autoland / Roll out guidance			Yes (fail operational) / Yes
ACAS I / II			N/A / Yes
Windshear warning system / predictive windshear			Yes / Yes
WX-radar			Yes (Two optional versions: Rockwell-Collins p/n 822-1710-202 and Honeywell p/n 066-50008-0409)
HUD / HUGS			N/A / N/A
FANS			N/A
GPWS / EGPWS			Yes / Yes (Honeywell p/n 965-1676-003)
ETOPS capability			Yes
GPS			Yes (2 installed)
Other			See item J ahead

Date of issue 22 August 2017

Signature on behalf of Trafi

Clarification of the signature Olli Hänninen

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