

European Union

Finnish Transport and Communications Agency (Traficom)

**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 and Communications Agency (Traficom) 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 Plc Pyhtäänkorventie 11-13 01530 Vantaa FINLAND
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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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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	19 Dec 2019
Signature on behalf of Traficom	
Clarification of the signature	Olli Hänninen
Title	Senior Inspector, Flight Simulators



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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, three channels, day/twilight/night, LCoS projectors
E) Motion system	6 degrees of freedom, hydraulic, CAE series 500
F) Engine fit	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Instrument fit is Airbus Training Device Standard 2.3• EIS2 std L6-1• FWC std K10, Airbus (p/n LA2E20202T20000)• 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	<ul style="list-style-type: none">• EFCS std L19/M18 incl. OEI Law (FFS FCOM 1.27.20 P 8)• RNP APCH to LNAV and LNAV/VNAV minima (APV/Baro-VNAV)• Smoke generation system• ATIS
K) Restrictions or limitations	No
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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 (TCAS II ver 7.1)
Windshear warning system / predictive windshear			Yes / Yes
WX-radar			Yes
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 above

Date of issue

19 Dec 2019

Signature on behalf of Traficom

Clarification of the signature

Olli Hänninen

Title

Senior Inspector, Flight Simulators

