

European Union

Finnish Transport Safety Agency (Trafif)

**FLIGHT SIMULATION TRAINING DEVICE (FSTD)
QUALIFICATION CERTIFICATE FI-1A-002B**


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

FSTD level	Full Flight Simulator, Level CG
Simulated A/C type	ATR 72-200
FSTD manufacturer	George Moody Inc. (GMI)
Serial number	II 421-451/87

Located at	Finnair Flight Academy Ltd. 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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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 February 2018
Signature on behalf of Trafif	
Clarification of the signature	Olli Hänninen
Title	Senior Inspector, Flight Simulators



FLIGHT SIMULATION TRAINING DEVICE (FSTD)**QUALIFICATION CERTIFICATE FI-1A-002B, FSTD SPECIFICATIONS, Page 1 of 2**

A) Type or variant of aircraft	ATR 72-200
B) FSTD qualification level	Full Flight Simulator, Level CG
C) Primary reference document	FAA AC120-40A
D) Visual system	Evans & Sutherland EP-1000CT visual image generator, day/twilight/night, JVC HD2K Digital Projectors (LCoS), Hitachi 3 channel and 4 window display, FoV 86° horizontal (horizontal 46° per window) and 34° vertical per pilot
E) Motion system	6 degrees of freedom, hydraulic, manufacturer GMI
F) Engine fit	Pratt & Whitney PW124B, propellers Hamilton Standard (HS) 14SF-11
G) Instrument fit	<ul style="list-style-type: none">• EFIS Honeywell ED-800 (EADI, EHSI)• AFCS Honeywell / Sperry SPZ-6000• Flight Guidance Computer Honeywell FZ-600 (one unit, fail passive)
H) ACAS fit	TCAS II, ver 7.0
I) Windshear	Windshear profiles are available
J) Additional capabilities	<ul style="list-style-type: none">• GPS Honeywell/Trimble GNSS HT1000 (one unit)• MCDU (one unit)• B-RNAV (RNAV-5), P-RNAV (RNAV-1)• Non-precision RNAV (GNSS) approach to LNAV minima• Airframe icing, anti-ice fluid aerodynamic effects and tail badly de-iced
K) Restrictions or limitations	No

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FLIGHT SIMULATION TRAINING DEVICE (FSTD)

QUALIFICATION CERTIFICATE FI-1A-002B, 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)			N/A
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			N/A / N/A
ACAS I / II			N/A / Yes
Windshear warning system / predictive windshear			N/A / N/A
WX-radar			N/A (there is a control panel for WXR and mode annunciation is displayed on EHSI, but no radar returns are displayed on EHSI)
HUD / HUGS			N/A / N/A
FANS			N/A
GPWS / EGPWS			Yes / Yes
ETOPS capability			N/A
GPS			Yes
Other			See item J) ahead

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