

**European Union**

**Finnish Transport and Communications Agency (Traficom)**

**FLIGHT SIMULATION TRAINING DEVICE (FSTD)**

**QUALIFICATION CERTIFICATE FI-3A-280**

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

<b>FSTD level</b>	<b>FNPT II</b>
<b>Simulated A/C type</b>	<b>Generic multi-engine piston airplane, representative of Diamond DA42NG</b>
FSTD manufacturer	Frasca International, Inc.
Serial number	11480-001
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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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	1 June 2021
Signature on behalf of Traficom	
Clarification of the signature	Olli Hänninen
Title	Senior Inspector, Flight Simulators



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**QUALIFICATION CERTIFICATE FI-3A-280, FSTD SPECIFICATIONS, Page 1 of 2**

A) Type or variant of aircraft	Generic multi-engine piston airplane, representative of Diamond DA42NG (marketing designation DA42-VI)
B) FSTD qualification level	FNPT II, Qualified also for type specific level FTD 2 (see FI-2A-280)
C) Primary reference document	CS-FSTD(A) initial issue
D) Visual system	Frasca International Inc. TruVision Global 2 (TVG2), day/twilight/night, 3 channels, spherical screen, direct projection, FoV 220° x 59°, Sony VPL-FHZ55 projectors
E) Motion system	N/A
F) Engine fit	2 x FADEC controlled generic turbocharged TDI piston engines (representative of Austro Engine E4-C)
G) Instrument fit	<ul style="list-style-type: none"> <li>• EFIS: Garmin G1000 integrated avionics (PFD and MFD) software version 0670.15</li> <li>• 2 x GPS</li> <li>• 1 x DME</li> <li>• Stand-by instruments (analog) are displayed by LCD panel with overlay</li> </ul>
H) ACAS fit	ACAS I, Avidyne TAS600 with G1000 as display interface
I) Windshear	Windshear profiles are available
J) Additional capabilities	<ul style="list-style-type: none"> <li>• Autopilot, Garmin GFC700</li> <li>• RNAV-5 and RNAV-1</li> <li>• RNP APCH to LNAV, LNAV/VNAV (SBAS) and LPV minima</li> <li>• Transponder (mode S)</li> </ul>
K) Restrictions or limitations	N/A

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**QUALIFICATION CERTIFICATE FI-3A-280, 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	N/A
CAT III (lowest minimum)			N/A
LVTO			N/A
Recency			N/A
IFR-training / IFR-checks			Yes / Yes, partially
Type rating / Class rating			N/A, Yes
Proficiency checks			Yes, partially
Autocoupled approach			Yes
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
GPWS / EGPWS			N/A / N/A
ETOPS capability			N/A
GPS			Yes
Other			N/A

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