

**European Union**

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

**FLIGHT SIMULATION TRAINING DEVICE (FSTD)  
QUALIFICATION CERTIFICATE FI-2A-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>FTD 2</b>               |
| <b>Simulated A/C type</b> | <b>Diamond DA42NG</b>      |
| FSTD manufacturer         | Frasca International, Inc. |
| Serial number             | 11480-001                  |

|            |  |
|------------|--|
| Located at | Finnish Aviation Academy<br>Pori Airport<br>Ilmailuopistontie 184<br>28540 Pori<br>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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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  |



**FLIGHT SIMULATION TRAINING DEVICE (FSTD)**

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

|                                |   |
|--------------------------------|---|
| A) Type or variant of aircraft | Diamond DA42NG (marketing designation DA42-VI)  |
| B) FSTD qualification level    | FTD 2,<br>Qualified also as FNPT II (see FI-3A-280)   |
| C) Primary reference document  | CS-FSTD(A) initial issue  |
| D) Visual system               | Frasca International Inc. TruVision Global 2 (TVG2),<br>day/twilight/night, 3 channels, spherical screen, direct<br>projection, FoV 220° x 59°, Sony VPL-FHZ55 projectors   |
| E) Motion system               | N/A   |
| F) Engine fit                  | 2 x Austro Engine E4-C,<br>controlled via dual channel EECU system  |
| G) Instrument fit              | <ul style="list-style-type: none"><li>• EFIS: Garmin G1000 integrated avionics (PFD and MFD)<br/>software version 0670.15</li><li>• 2 x GPS</li><li>• 1 x DME</li><li>• Stand-by instruments (analog) are displayed by LCD<br/>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-2A-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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