

European Union

Finnish Transport and Communications Agency (Traficom)

FLIGHT SIMULATION TRAINING DEVICE (FSTD)

QUALIFICATION CERTIFICATE FI-3A-219

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

FNPT II MCC

Simulated A/C type

**Generic twin-engine turbo-jet airplane,
representative of Embraer EMB-500 (Phenom 100)**

FSTD manufacturer

Frasca International, Inc.

Serial number

8919-001

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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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

5 April 2019

Signature on behalf of Traficom



Clarification of the signature

Olli Hänninen


Title

Senior Inspector, Flight Simulators



FLIGHT SIMULATION TRAINING DEVICE (FSTD)

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| | |
|---------------------------------|---|
| A) Type or variant of aircraft | Generic twin-engine turbo-jet airplane, representative of Embraer EMB-500 (marketing designation Phenom 100) |
| B) FSTD qualification level | FNPT II MCC |
| C) Primary reference document | JAR-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-FHZ57 projectors |
| E) Motion system | N/A |
| F) Engine fit | 2 x Generic turbofan engines, representative of Pratt & Whitney Canada PW617F-E, controlled via dual channel FADEC system |
| G) Instrument fit | Garmin Prodigy Flight Deck Load 83.25 (Rev. 0734.8C), All parts / equipment / systems are simulated except the following that are real aircraft parts: <ul style="list-style-type: none">• GDU 1240A displays (2 x PFD, MFD)• GMC 715 (AFCS Control Panel)• GCU 475 (MFD Control Unit)• GMA 1347D (Audio Panel Control Heads) |
| H) ACAS fit | A scenario based simulated TCAS (based on TCAS II ver 7.0) which does not support wrong or slow pilot responses to RAs |
| I) Windshear | N/A |
| J) Additional capabilities | <ul style="list-style-type: none">• Qualified to levels FTD 2 (see FI-2A-219) and FNPT II MCC• 2 x GPS, B-RNAV (RNAV-5) and P-RNAV (RNAV-1)• RNP approach to LNAV minima, LNAV/VNAV minima (APV Baro) and LPV minima (APV SBAS)• Electronic Jeppesen ChartView• Radio altimeter, 1 x ADF, 1 x DME, Transponder Mode S |
| K) Restrictions or limitations | N/A |
| Date of issue | 5 April 2019 |
| Signature on behalf of Traficom |  |
| Clarification of the signature | Olli Hänninen |
| Title | Senior Inspector, Flight Simulators |



FLIGHT SIMULATION TRAINING DEVICE (FSTD)

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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 | N/A |
| CAT III (lowest minimum) | | | N/A |
| LVTO | | | N/A |
| Recency | | | N/A |
| IFR-training / IFR-checks | | | Yes / Yes, partially |
| Type rating | | | Yes, partially (note: qualified also as FTD 2) |
| Proficiency checks | | | Yes, partially |
| Autocoupled approach | | | Yes |
| Autoland / Roll out guidance | | | N/A / N/A |
| ACAS I / II | | | N/A / Yes, see item H above |
| Windshear warning system / predictive windshear | | | N/A / N/A |
| WX-radar | | | Yes, simplified (vertical & horizontal sweep, but no certain functions, e.g. ground mapping mode, weather alert or WATCH) |
| HUD / HUGS | | | N/A / N/A |
| FANS | | | N/A |
| GPWS / EGPWS | | | N/A / N/A |
| ETOPS capability | | | N/A |
| GPS | | | Yes |
| Other | | | See item J above. For rows with 'partially', see applicable training requirements. |

Date of issue

5 April 2019

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