

**European Union**

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

**FLIGHT SIMULATION TRAINING DEVICE (FSTD)  
QUALIFICATION CERTIFICATE FI-1A-006A**

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>Full Flight Simulator, Level CG</b>
<b>Simulated A/C type</b>	<b>Beechcraft Super King Air 300</b>
FSTD manufacturer	FlightSafety International
Serial number	Serial 5803

Located at	Finnish Aviation Academy Ilmailuopistontie 184 FI-28540 Pori 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certificate remaining in compliance with the applicable requirements of Part-ORA, unless it has been surrendered, superseded, suspended or revoked.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	14 Dec 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-1A-006A, FSTD SPECIFICATIONS, Page 1 of 2**

- A) Type or variant of aircraft      Beechcraft Super King Air 300
- B) FSTD qualification level      Full Flight Simulator, Level CG
- C) Primary reference document      FAA AC120-40A, Phase II, refer also to item J
- D) Visual system      VITAL IV, night visual image, 3 channels, 4 windows, field of view vertical 36° and horizontal 82° per pilot
- E) Motion system      6 degrees of freedom, hydraulic
- F) Engine fit      Pratt & Whitney PT6A-60A
- G) Instrument fit
  - EFIS: Collins EFIS-85B (5-tube version)
  - 2 x AP and FD: Collins FCS-65
  - Air Data System: Collins ADS-80
  - NAV/COM: Collins Pro Line II
  - ADF: Collins ADF-60
  - 2 x RMI (2 pointers on each)
  - Garmin GNS530W
- H) ACAS fit      N/A
- I) Windshear      Windshear profiles are available
- J) Additional capabilities
  - UPRT, approach to stall, high altitude stall event and icing in accordance with CS-FSTD(A) issue 2
  - RNP approach to LNAV minima and LNAV/VNAV minima (APV SBAS), see Finnish Aviation Academy's list of validated approaches
  - RNAV 5 and RNAV 1
- K) Restrictions or limitations
  - NAV and APR modes of Flight Director / Autopilot not to be used for RNP approach.

Date of issue      14 Dec 2021

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## FLIGHT SIMULATION TRAINING DEVICE (FSTD)

### QUALIFICATION CERTIFICATE FI-1A-006A, 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	RVR 150 m		Yes
Recency			Yes
IFR-training / IFR-checks			Yes / Yes
Type rating			Yes
Proficiency checks			Yes
Autocoupled approach			Yes, see item K
Autoland / Roll out guidance			N/A / N/A
ACAS I / II			N/A / N/A
Windshear warning system / predictive windshear			N/A / N/A
WX-radar			N/A
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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