

# PROJECT FACT SHEET



## Noise Certification Britten-Norman BN2A-21 with Exhaust Mufflers

### Operated by the Danish Air Force Home Guard

The Danish Air Force Home Guard is operating 2 Britten-Norman 2A-21 aircraft. To minimize the noise impact of their operations on the surrounding communities, exhaust mufflers were installed under an STC, held by CAE Aviation Luxembourg. Anotec was contracted to obtain the noise certificate for this modification in accordance with ICAO Annex 16, Chapter 10. To this end a flight test campaign was performed at Roskilde airport, where we deployed our mobile flight test lab. Our pilot guidance system was installed in the aircraft to maximize data quality whilst minimizing the test time. The test data were analyzed with our approved analysis software CEDRA and results reported to EASA. The noise certificate was obtained from EASA a month after the flight tests.



**STC por CAE Aviation Luxembourg**  
Aircraft operated by Danish Air Force



**Noise Compliance Demonstration Report**



**February 2018 - June 2018**



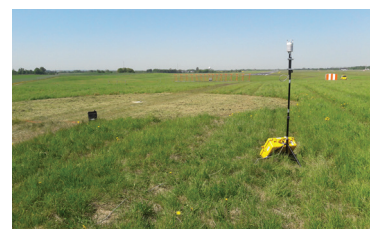
**EASA/ ICAO Annex 16 Noise Certification**



**CEDRA Noise Certification System**



**Noise Certification Flight Tests in Denmark**



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