



AIRSERVICES AUSTRALIA

Mr Ricky Duncan
Airborne Windsports
P O Box 7042
REDHEAD NSW 2290

Dear Mr Duncan,

RE: NOISE COMPLIANCE OF EDGE XT 912 STREAK

I refer to your request for advice on whether the Edge XT 912 Streak ultralight aircraft will comply with the standards for noise specified in Civil Aviation Order 101.55.

The data you have supplied includes Noise Type Certificate 185M issued for the aircraft type by the UK Civil Aviation Authority on 1 September 2004, and the measurement data on which that certificate is based. Noise certification of microlights in the UK is based on measurement of the Sound Exposure Level (SEL) of the aircraft at 150 metres above the microphone, while CAO 101.55 is a measure of maximum A-weighted S-response sound level with the aircraft at 1,000 feet above the microphone. In both cases, the operation of the aircraft is similar, i.e. level overflight with the engine at take off power (UK) or highest power in the normal operating range (CAO).

In addition to the SEL, the supplied measurement data for the UK tests lists the maximum A-weighted S-response sound level during each of the six test runs, so the noise figure needed for demonstrating compliance with the CAO 101.55 standards can be readily calculated. The resultant figure is 62.7 dB(A)(s)max at 1,000 feet. For compliance with CAO 101.55, the noise level must not exceed 68 dB(A)(s) max. Hence the Edge XT 912, when configured as described on the UK noise certificate, complies with the standards for noise specified in CAO 101.55.

Please note that when an aircraft is to be added to the Australian Register of Civil Aircraft, a noise assessment application form needs to be submitted in each case

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to Airservices Australia's Airspace and Environment Regulatory Unit (AERU).
More information is available at www.aeru.com.au.

If you require further information, please do not hesitate to contact me.

Yours sincerely,



Leigh Kenna
Manager Environment Engineering

9 December 2004