

Expert assessment on Helicopter Noise by ALT

Noise emissions by helicopters of ADAC Luftfahrt Technik in Hangelar

Since 1970 ADAC Luftfahrt Technik GmbH (ALT) as helicopter maintenance company is located at Bonn-Hangelar airfield in Sankt Augustin. 90% of their business comprises maintenance work for nonprofit air rescue organisations in Germany, the Netherlands and Luxembourg.

ALT is no aviation operator with continuous airline operations.

ALT is fully aware of its responsibility towards the population of Sankt Augustin, to burden the environment and the surrounding housing areas as sparsely as possible and therefore ALT, together with the University of Applied Sciences (Fachhochschule) in Aachen (Prof. Jansen), initiated a scientific study on the noise created by themselves.

The extensive examination report is available and can be accessed on our homepage. Despite the low sound pressure level ALT will introduce corrections and improvements.

Those are particularly:

- the usage of the ground run positions with the lowest noise levels for Hangelar, according to the expert assessment
- the avoidance of unnecessary hover flights at the airfield
- the avoidance of flights from the ALT ramp to the fuel station by means of the construction of a link path to the fuel station, on which the helicopters can be transported with a lifting cart

Generally the ALT ground runs and check flights, which are necessary during and after maintenance, occur from Monday to Friday between 09:30 Uhr and 16:30 Uhr.

2010 ALT executed 89 maintenance checks in Hangelar. Per check 30 minutes of ground runs and 1 hour of check flights arise, which summarizes to less than 150 hours per year.

Furthermore in March 2011, the ALT associated and adjacent ADAC HEMS Academy, puts its second Flight Simulator into operation. This furthermore will significantly bring down the „ADAC noise“ at the airfield, because then 90% of all pilot checkflights of ADAC Air Rescue can be executed on the Flight Simulator.

Not least ADAC Air Rescue permanently renews its helicopter fleet. In this respect currently the ageing EC135P1/T1 are being replaced by new helicopters.

The overall tendency: Considerably quieter!