

PROJECT FACT SHEET



EU Helicopter Noise Model NORAH European Commission DG-MOVE

Anotec and NLR (Netherlands) were contracted by the **EC** (DG-MOVE) to conduct a series of flight tests to obtain an extensive noise database for a variety of helicopter types, covering a significant part of the European helicopter fleet. This database was required to feed the new European helicopter noise model **NORAH**, developed by the partners and validated by SINTEF (Norway) in the same Project. Flight tests followed as much as possible ICAO Annex 16 test procedures and were witnessed by EASA noise experts. The tests covered the whole range of normal operational procedures in order to allow for the accurate prediction of noise impact on the ground and to design low-noise flight procedures. Anotec performed two test campaigns at Marugán airfield (Spain) with a R44, AS350, B412 and S300/H269.



European Commission DG-MOVE



Generation of Helicopter Noise Database
Development of NORAH Model



May 2015 – April 2017



ICAO Annex 16 Noise Certification Standard



CEDRA Noise Certification System
Extended to 24 Microphones



First EU Helicopter Noise Database



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