

Version 1.0

AVO Guide launch

ANC ACOUSTICS & NOISE CONSULTANTS

Thursday 30th January 2020 15 Hatfields, London

How did we get here?



🖡 to Adrian.Passmore, AndrewL, BarryJobling, DTrew, IMacArthur, Info, me, james.healey, J.Paris, mark.scaife, m.hyden, nick.conlan, stephen.turner, TimminsG, Elena, john 🖛

 \sim

 \sim

\$

Hello all,

Reminder that the AVO meeting is this thursday at Cundall (Mat, I'm assuming that the fact that you have accepted means we are ok with a room?).

AVO Group



The current situation in the industry

85% of planning applications assumed:

Windows are **open** for the overheating assessment

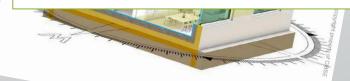
<u>but</u>

Windows are **closed**

for the noise assessment



- Integrated design
- Greater collaboration
 - Multi-disciplinary approach



Using planning conditions to improve indoor environmental quality (IEQ) of new residential developments N Conlan, J Harvie-Clark, Apex Acoustics Ltd. Proc. IOA Vol. 40. Pt. 1. 2018

Breaking out of the silo

Version 1.0

Amenity

Acoustics Air quality Thermal

January 2020 ACOUSTICS VENTILATION AND OVERHEATING Residential Design Guide



ENVIRONMENTAL NOISE GUIDELINES

for the European Region





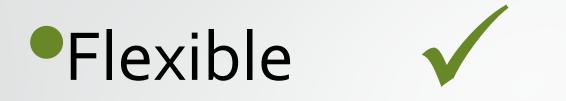
Recommendation

For average noise exposure, the GDG strongly recommends reducing noise levels produced by road traffic below **53 decibels (dB)** $L_{den'}$ as road traffic noise above this level is associated with adverse health effects.

For night noise exposure, the GDG strongly recommends reducing noise levels produced by road traffic during night time below **45 dB** L_{night} , as night-time road traffic noise above this level is associated with adverse effects on sleep.

- Why has it taken 4 years?
- In concept: Higher short-term noise levels in summer
- In practice: Multi-disciplinary, dynamic, subjective
- Simple in concept, harder in practice.
 2016 2020

Peace, Quíet and Thermal Comfort at all tímes 30 January 2020



•Ambiguous

FAQ

Future revisions

Session 1 – Guidance & Criteria Session 2 – Process & Implementation Workshops (x2)