



**Consultation**  
**Updating GB type approval for road vehicles**

**Response from the Institute of Acoustics**

**Background**

The Institute of Acoustics (IOA) is the UK's professional organisation for those working in the fields of sound, noise and vibration. Many members of the Institute are engaged in assessing the acoustic impact from vehicle usage – including individual vehicles and the cumulative effects of environmental noise from road transport.

This response has been prepared by experienced members of the Institute and has been approved by the IOA's Executive Committee on behalf of the IOA's Governing Council.

The response is confined to issues relating to acoustics, so our comments relate to answering question 2.

2. Do you have any comments on our proposals on accepting the UNECE Regulations for tyres, added sound for quiet vehicles, modifying some of the footnotes to the table, or on the other proposals correcting errors (listed in Table 1)?

It is noted that the proposal seeks to adopt the latest version of UNECE regulations. The Institute supports this proposal as it relates to:

- Permissible sound level;
- Replacement silencing systems;
- Permissible sound level (not covering AVAS and replacement silencers);
- Acoustic Vehicle Alerting System (AVAS); and
- Replacement silencing systems.

**Conclusion**

The IOA hopes that the Department for Transport finds these comments helpful. The Institute are always happy to discuss with officials any issues concerning sound, noise and acoustics.

Institute of Acoustics  
November 2023