

Development of SAE J2889-1 draft

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Status

- SAE J2889-1 is a draft (In-progress) document developed by the SAE Vehicle Sound for Pedestrians (VSP) subcommittee.
- The draft is presently at a state where it provides a measurement method for vehicles suitable for use where dB(A) is the metric.

Technical Principles

- Performance measure of the Vehicle
 - Does not account for human perceptions, reactions, opinions.
- Design Neutral
- Performance Based
- Repeatable
- Reproducible
- Understood and limited uncertainty

Development History

- SAE identified need in 2008 to develop technical test for vehicle minimum noise to provide objective data.
- Technical principles and many measurement procedures used from SAE J2805 (ISO 362-1:2007)
- Modifications to microphone positions, vehicle operating conditions and treatment of results appropriate for minimum noise.

Further Work

- Measurement of countermeasures
- Use of 1/3 octaves
- Consultation with NHTSA
- Cooperation with ISO WG42