

## Accredited Standards Committee on Noise - S12

Standards, specifications, and terminology in the field of acoustical noise pertaining to methods of measurement, evaluation, and control; including biological safety, tolerance and comfort, and physical acoustics as related to environmental and occupational noise.

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**1 S12/WG03 Measurement of Noise from Information Technology and Telecommunications Equipment**

*Active*

(parallel to ISO/TC 43/ SC1/WG23) - Development of procedures for measurement and evaluation of noise emitted from Information Technology and Telecommunications Equipment and their component noise sources.

***Chair, S12/WG03***

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**2 S12/WG11 Hearing Protector Attenuation and Performance**

*Active*

(parallel to ISO/TC43/SC1/WG17 and ISO/TC 94/SC12)

Update S12.6-1997 and S12.42-1995 as needed. Develop field methods for measuring hearing protector attenuation for use in occupational hearing conservation programs. Standardize single-number and multi-number methods of utilizing hearing protector attenuation values to estimate wearer noise exposures. Assess the need for standards specifying the physical characteristics of hearing protectors that are required to provide and maintain their performance.

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**3 S12/WG15 Measurement and Evaluation of Outdoor Community Noise**  
*Active*

To produce a series of Standards for outdoor environmental noise that deal with: (1) definitions and nomenclature, (2) measurements including both short-term measurements and long-term monitoring, etc., (3) modeling of environmental noise, (4) quantitative evaluation of the effects of environmental noise such as annoyance, complaints, sleep disturbance, disturbance by noise-induced vibration and rattles, and (5) compatible land use planning with respect to noise.

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**4 S12/WG18 Criteria for Room Noise**  
*Active*

To develop a method for rating the noise encountered in various types of rooms in terms of its effect upon people by means of a weighting network, and a computational procedure to account for temporal pattern of the noise and the need for tone correction as appropriate. The purpose of this method is to arrive at a common yardstick for evaluating environmental noise indoors. In addition to this main charge, also charged with the development and measurement procedures to be utilized in various types of rooms including methods for translating the results of such measurement in the common yardstick.

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**5 S12/WG23 Determination of Sound Power**  
*Active*

To develop, review, maintain, revise and monitor all new and existing S12 standards that determine sound power based on sound pressure or sound intensity, or that use sound power to determine sound immission; to review sound power test codes submitted to S12 under the canvass method; to review and coordinate and liaison with other S12 Working Groups that deal with sound power; to review documents dealing with sound power submitted to ANSI under the public review process. To accomplish this, the Working Group may form task groups to handle one or more assignment tasks.

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**6 S12/WG27 Outdoor Measurement of Sound Pressure Level**  
*Active*

Develop and maintain standard methods for measuring sound pressure levels in the outdoor environment. Maintain communication and liaison with related ANSI WGs, relevant US regulatory agencies and relevant IEC or ISO standards groups

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**7 S12/WG29 Field Measurement of the Sound Output of Audible Public-Warning Devices (Sirens)**  
*Active*

Revise and maintain ANSI/ASA S12.14 Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors.

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**8 S12/WG32 Revision of ANSI S12.7-1986 Methods for Measurement of Impulse Noise**  
*Active*

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**9 S12/WG38 Noise Labeling In Products**  
*Active*

To describe a manner in which sound power level and sound pressure level of a product shall be expressed for labeling purposes.

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**10 S12/WG40 Measurement of the Noise Aboard Ships**  
*Active*

Development of standards for the measurement and evaluation of noise generated by ship equipment and machinery components. Instrumentation and measurement procedures, data presentation, and reporting requirements, as well as machinery acceptance criteria and monitoring will be considered.

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**11 S12/WG41 Model Community Noise Ordinances**  
*Active*

To develop one or more model noise ordinances that are suitable for various communities (e.g., city, suburb, rural). This (the ordinance(s)) should include, at a minimum, metrics, criteria and enforcement methodology.

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**12 S12/WG43 Rating Noise with Respect to Speech Interference**  
*Active*

Develop and maintain a standard for rating noise with respect to speech interference. Specifically, this revision is expected to include updating ANSI/ASA S12.65-2006 to reflect normative references that have been revised or replaced and to add more current references to Bibliography, as applicable. Maintain communication and liaison with related ANSI WGs, relevant U.S. regulatory agencies and relevant IEC or ISO standards groups.

**Chair, S12/WG43**

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**13 S12/WG44 Speech Privacy**  
*Active*

To develop standards and guidelines for the design and evaluation of speech privacy in health care facilities.

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**14 S12/WG49 Noise from hand-operated power tools, excluding pneumatic tools**  
*Active*

Develop standards for the measurement of noise from hand-operated power tools, excluding pneumatic tools

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**15 S12/WG50 Information Technology (IT) Equipment in Classrooms**  
*Active*

Develop new part to ANSI S12.60 to cover IT equipment with 1) recommended sound power criteria for IT equipment in classrooms, 2) recommendations for purchase specification format, and 3) recommendations for installation conditions of IT equipment.

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**16 S12/WG52 Classroom Acoustics**  
*Active*

Develop and maintain standards to ensure adequate acoustics in learning spaces intended for speech communication.

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**17 S12/WG53 High Performance Aircraft Noise Measurement**  
*Active*

To develop standards for the measurement of ground run-up and flyover noise for high performance (supersonic jet flow) aircraft

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**18 S12/WG54 Measurement of Low Frequency Sound**  
*Active*

To draft a new Part 7 of the S12.9 series: "Measurement of Low Frequency Sound (0- 100 Hz) in Real Outdoor Environments and Indoor Spaces

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**19 S12/WG55 Guidelines for the Specification of Noise Emission of Machinery**  
*Active*

Develop a method to establish guidelines for obtaining acoustic noise data from manufacturers to allow the user to make informed purchase or selection decisions. This includes the definition of metrics, measurement techniques, process flow and data reporting guidelines. The method will build on and refer to underlying basic standards and existing industry-specific test codes.

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**20 S12/WG56 Assessing Visitor Response to Noise at Parks**  
*Active*

To develop one or more standards to assess visitor response to anthropogenic noise in parks

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**21 S12/WG57 Acoustic Standards for Physical Education Teaching Environments**  
*Active*

Develop and maintain a new part to the S12.60 series of acoustic standards to provide guidance and requirements for the acoustics of physical education teaching environments. Maintain communication and liaison with related ANSI WGs, relevant regulatory agencies, and relevant IEC or ISO standards groups.

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**22 S12/WG58 Small Unmanned Aerial System Sound Measurement**  
*Active*

Develop and maintain a new standard for the measurement of sound power emission from small, under 55-pound, unmanned aerial systems in an anechoic chamber.

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**23 S12/ADV1 S12 Advisory Planning Committee**  
*Active*

Be cognizant of standards needs within the scope of the Committee, and organize those needs in accordance with priority, and other relevant factors, into a coherent three-year plan for Committee activity. This three-year plan for the preparation of standards should include those which need updating, having regard to the international work items and standards, and the need for timely review (reaffirmations, revisions, withdrawals, etc.) of all national standards, and the priority of new standards needs. The plan of action should be developed with attention to (1) the overall Committee scope, (2) its technological needs, (3) the relation of national to international standardization, (4) the rate of development of new standards, and (5) the timeliness of the preparation of revisions of standards.

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**24 S12/L1 IEEE 85 Committee for TAG Liaison - Noise Emitted by Rotating Electrical Machines (parallel to ISO/TC 43/SC1/WG13)**  
*Active*

Review of international documents and the development of procedures of measurement evaluation of the noise produced by rotating electrical machines.

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**25 S12/L2 Measurement of Noise from Pneumatic Compressors Tools and Machines (parallel to ISO/TC 43/SC1/WG9)**  
*Active*

**Chair, S12/L2**

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**26 S12/L3 SAE Committee for TAG Liaison on Measurement and Evaluation of Motor Vehicle Noise (parallel to ISO/TC 43/SC1/WG8)**  
*Active*

To provide input to the ISO/TC 43/SC1 TAG for the formulation of U.S. positions on international proposals from WG8 and recommendations for new ISO projects in its area.

**Chair, S12/L3**

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**27 S12/L4 SAE Committee A-21 for TAG Liaison on Measurement and Evaluation of Aircraft Noise**  
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**28 S12/L5 ASTM E-33 on Environmental Acoustics**  
*Active*

The development of standards on the characteristics and performance of materials, products, systems, and services relating to the acoustical environment and the promotion of related knowledge (to include the activities of ASTM E33.06 on Building Acoustics, parallel to ISO/TC 43/SC2 and ASTM E33.09 on Community Noise).

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**29 S12/L6 SAE Construction-Agricultural Sound Level Committee**  
*Active*

Review of international documents and the development of procedures on measurement and evaluation of both operator and exterior sounds for mobile self-propelled construction, mining, forestry and agricultural machinery.

**Chair, S12/L6**

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**30 S12/L7 SAE Specialized Vehicle and Equipment Sound Level Committee**  
*Active*

Responsible for all SAE technical matters concerning sound emission, and its measurement, of surface vehicles, powered equipment, and their components which are under the direction of the Specialized Vehicle and Equipment Council.

**Chair, S12/L7**

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**31 S12/L8 ASME PTC 36 Measurement of Industrial Sound**  
*Active*

The object of PTC 36 is to describe procedures for measuring and reporting airborne sound emission from stationary sound sources and equipment, or from facilities composed of multiple stationary sound sources. The scope includes procedures to determine compliance with specified acoustical criteria in a variety of acoustical environments, including outdoor settings influenced by ambient sound. Generally, sound pressure levels and/or sound power levels in prescribed frequency bands are used to quantify the sound emission of industrial equipment and facilities. Sound pressure level measurements or sound intensity measurements may be used to calculate sound power level.

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