ACOUSTICAL STANDARDS NEWS

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American National Standards (ANSI Standards) developed by Accredited Standards Committees S1, S2, S3, and S12 in the areas of acoustics, mechanical vibration and shock, bioacoustics, and noise, respectively, are published by the Acoustical Society of America (ASA) through the American Institute of Physics (AIP). In addition to these standards, a Catalog of Acoustical Standards—ASA Catalog 17–1998—is available. For a copy, contact Avril Brenig.

Comments are welcomed on all material in Acoustical Standards News.

Standards Meetings Calendar—National

The next meetings of the Accredited Standards Committees for national standards development, the review of International Standards, and planning of future meetings are scheduled to be held during the joint 135th ASA/16th ICA Meetings at the Westin Hotel and the Seattle Sheraton Hilton Hotel, Seattle, WA, 20–28 June 1998. Meetings of the Accredited Standards Committees are open to the public for participation. Organizations and individuals with expertise that may enhance the performance of the acoustical standards effort are encouraged to participate.

- **Monday, 22 June 1998, 7:00 p.m.**
  ASACOS Steering Committee

- **Tuesday, 23 June 1998, 7:30 p.m.**
  ASA Committee on Standards (ASACOS). Meeting of the Committee that directs the Acoustical Society Standards Program

- **Wednesday, 24 June 1998, 9:00 a.m.**

- **Thursday, 25 June 1998, 8:00 a.m.**
  Standards Committee Plenary Session
  (To discuss national items relevant to all S Committees, plus a review of the international standardization activities)

- **Thursday, 25 June 1998, 10:00 a.m.**
  Accredited Standards Committee S12 on Noise (also Technical Advisory Group for ISO/TC 43/SC 1—Noise, and ISO/TC 94/SC 12—Hearing Protection)

- **Thursday, 25 June 1998, 2:00 p.m.**

- **Thursday, 25 June 1998, 3:30 p.m.**
  Accredited Standards Committee S1 on Acoustics (also Technical Advisory Group for ISO/TC 43—Acoustics and IEC/TC 29—Electroacoustics)

American National Standards Institute (ANSI) Calendar

- **12 January 1998**
  • CMCEC Meeting—Day 1 of 2, Orlando, FL

- **13 January 1998**
  • CMCEC Meeting—Day 2 of 2, Orlando, FL

- **14 January 1998**
  • ANSI/International Advisory Committee Forum, New York, NY

- **26 January 1998**
  • ISO Technical Management Board—Day 1 of 2, Geneva, Switzerland

- **27 January 1998**
  • ISO Technical Management Board—Day 2 of 2, Geneva, Switzerland

- **29 January 1998**
  • ISO Council—Day 1 of 2, Geneva, Switzerland

- **30 January 1998**
  • ISO Council—Day 2 of 2, Geneva, Switzerland
  • Organizational Member Council (OMC) Meeting, Miami, FL

- **5 February 1998**
  • Board of Standards Review (BSR)—Day 1 of 2, New York, NY

- **6 February 1998**
  • Board of Standards Review (BSR)—Day 2 of 2, New York, NY

- **12 February 1998**
  • ANSI Board of Directors Executive Committee Meeting, New York, NY

- **4 March 1998**
  • Executive Standards Council (ExSC) Meeting—Day 1 of 2, New York, NY

- **5 March 1998**
  • Executive Standards Council (ExSC) Meeting—Day 2 of 2, New York, NY

- **19 March 1998**
  • ANSI Board of Directors Meeting, TBD

- **2 April 1998**
  • Board of Standards Review (BSR)—Day 1 of 2, New York, NY

- **3 April 1998**
  • Board of Standards Review (BSR)—Day 2 of 2, New York, NY

- **19 May 1998**
  • Organizational Member Council (OMC) Meeting, Washington, DC

- **20 May 1998**
  • ANSI/International Advisory Committee Forum (AIF), New York, NY

- **1 June 1998**
  • ISO Technical Management Board—(Day 1 of 2), Geneva, Switzerland

- **2 June 1998**
  • ISO Technical Management Board—(Day 2 of 2), Geneva, Switzerland

- **4 June 1998**
  • ISO Council—(Day 1 of 2), Geneva, Switzerland

- **5 June 1998**
  • ISO Council—(Day 2 of 2), Geneva, Switzerland

- **10 June 1998**
  • Executive Standards Council (ExSC) Meeting—(Day 1 of 2), Quincy, MA

Accredited Standards Committee on Acoustics, S1

(J. P. Seiler, Chair; G. S. K. Wong, Vice Chair)

Scope: Standards, specifications, methods of measurement and test, and terminology in the field of physical acoustics including architectural acoustics, electroacoustics, sonics and ultrasonics, and underwater sound, but excluding those aspects which pertain to biological safety, tolerance and comfort.

S1 Working Groups

S1/WG1—Standard Microphones and their Calibration (V. Nedzelnitsky); S1/WG5—Band Filter Set (J. Pope); S1/WG15—Noise Cancelling Microphones (R. L. McKinley); S1/WG16—FFT Acoustical Analyzers (R. J. Peppin); S1/WG17—Sound Level Meters and Integrating Sound Level Meters (T. J. Kuemmel); S1/WG19—Insertion Loss of Windscreens (R. J. Peppin); S1/WG20—Ground Impedance (G. Daigle); S1/WG21—Electromagnetic Susceptibility (EMS) of Acoustical Instruments (J. Seiler); S1/WG22—Cavitation Dectecting and Monitoring (W. L. Nyborg); S1/WG23—Underwater Acoustics (M. J. Buckingham); S1/WG24—Design Response of Weighting Networks for Acoustical Measurements (G. S. K. Wong); S1/WG25—Specification for Acoustical Calibrators (M. P. Valoski)

S1 STANDARDS ON ACOUSTICS

ANSI S1.4A-1985 Amendment to ANSI S1.4-1983.
ANSI S1.9-1996 American National Standard Instruments for the measurement of Sound Intensity.

Accredited Standards Committee on Mechanical Vibration and Shock, S2

(D. J. Evans, Chair; R. F. Taddeo, Vice Chair)

Scope: Standards, specifications, methods of measurement and test, and terminology in the field of mechanical vibration and shock, and condition monitoring and diagnostic of machines, but excluding those aspects which pertain to biological safety, tolerance and comfort.

S2 Working Groups

S2/Advisory—Advisory Planning Committee to S2 (R. F. Taddeo); S3/WG39(S2)—Human Exposure to Mechanical Vibration and Shock (A. J. Branner); S2/WG54—Atmospheric Blast Effects (J. W. Reed, Chair; J. H. Keefer, Vice Chair); S2/WG65—Balancing Technology (R. Mehta, Chair; K. Won, Vice Chair); S2/WG76—Measurement and Evaluation of Machinery Vibration (P. H. Maceled); S2/WG77—Measurement and Evaluation of Ship Vibration (A. F. Kicullen); S2/WG78—Measurement and Evaluation of Structural Vibration (C. Gordon); S2/WG79—Characterization of the Dynamic Mechanical Properties of Viscoelastic Polymers (W. Madigosky, Chair; B. Hartmann, Vice Chair); S2/WG80—Vibration and Shock Terminology (D. Muster); S2/WG81—Use and Calibration of Vibration and Shock Measuring Instruments (B. Douglas); S2/WG88—Measurement and Evaluation of Machine Tool Vibration (J. H. Pyne); S2/WG89—Parallel to ISO/TC 108/SC5 Condition Monitor and Diagnostics of Machines (D. Muster); S2/WG90—Parallel to ISO/TC 108/SC6 Vibration and Shock Generating Equipment (G. Booth); S2/WG91—Modal-Analysis and modal Testing (Vacant).

S2 STANDARDS ON MECHANICAL VIBRATION AND SHOCK

ANSI S2.5-1962 (R 1997) American National Standard Recommendations for Specifying the Performance of Vibration Machines.
S3/STANDARDS ON BIOACOUSTICS


Accredited Standards Committee on Bioacoustics, S3

(L. Fingold, Chair; R. F. Burkard, Vice Chair)

Scope: Standards, specifications, methods of measurement and test, and terminology in the fields of mechanical shock and physiological acoustics, including aspects of general acoustics, shock, and vibration which pertain to biological safety, tolerance and comfort.

S3 Working Groups

S3/Advisory—Advisory Planning Committee to S3 (R. F. Burkard);

S3/VG35—Audiometers (R. L. Grason);

S3/VG36—Speech Intelligibility (R. Schlauch);

S3/VG37—Coupler Calibration of Earphones (B. Kruger);

S3/VG39(S2)—Human Exposure to Mechanical Vibration and Shock (A. J. Brammer)—Parallel to ISO/TC 108/SC4;

S3/VG43—Method for Calibration of Bone Conduction Vibrator (T. A. Frank);

S3/VG48—Hearing Aids (D. A. Preves);

S3/VG56—Criteria for Background Noise for Audiometric Testing (T. A. Frank);

S3/VG58—Hearing Conservation Criteria (D. L. Johnson);

S3/VG59—Measurement of Speech Levels (H. Levitt);

S3/VG60—Measurement of acoustic Impedance and Admittance of the Ear (D. Lilly);

S3/VG62—Impulse Noise with Respect to Hearing Hazard (D. L. Johnson);

S3/VG67—Manikins (M. D. Burkhard);

S3/VG71—Artificial Mouths (R. L. McKinley);

S3/VG72—Measurement of Auditory Evoked Potentials (R. S. Burkard);

S3/VG76—Computerized Audiometry (A. J. Millich);
Accredited Standards Committee on Noise, S12

(P. D. Schomer, Chair; B. M. Brooks, Vice Chair)

Scope: 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.

S12 Working Groups

S12/Advisory—Advisory Planning Committee to S12 (B. M. Brooks);
S12/WG3—Measurement of Noise from Office and Data Processing Equipment (R. Lotz);
S12/WG6—Insertion Loss of Outdoor Noise Barriers at Sites (W. Bowby);
S12/WG8—Determination of Interference of Noise with Speech Intelligibility (L. Marshall);
S12/WG9—Annoyance Response to Impulsive Noise (L. Sutherland);
S12/WG11—Hearing Protector Attenuation and Performance (E. H. Berger);
S12/WG12—Evaluation of Hearing Conservation Programs (J. D. Royster, Chair; E. H. Berger, Vice chair);
S12/WG15—Measurement and Evaluation of Outdoor Community Noise (P. D. Schomer);
S12/WG18—Criteria for Room Noise (R. J. Peppin);
S12/WG19—Measurement of Occupational Noise Exposure (J. P. Barry and R. Goodwin, Co-chairs);
S12/WG23—Determination of Sound Power (B. Brooks and R. Peppin, Co-chairs);
S12/WG29—Field Measurement of the Sound Output of Audible Public Warning Devices (Sirens) (P. Graham);
S12/WG31—Predicting Sound Pressure Levels Outdoors (M. White);
S12/WG32—Revision of ANSI S12.7-1986 Methods for Measurement of Impulse Noise (P. D. Schomer);
S12/WG33—Revision of ANSI S51.1-1971 Test Code for the Measurement of Sound from Pneumatic Equipment (D. Bookshar);
S12/WG 34—Methodology for Hearing/Conservation Program (R. Goodwin);
S12/WG35—Method for the Selection of Hearing Protectors that Optimize the Ability to Communicate (K. Michael);
S12/WG36—Development of Methods for Using Sound Quality (G. Ebbert and P. Davies, Co-Chairs);
S12/WG37—Measuring Sleep Disturbance due to Noise (K. S. Pearson);
S12/WG38—Noise Labeling in Products (J. Pope and R. D. Hellweg, Co-Chairs);
S12/WG39—Measurement of the Noise Attenuation of Active and/or Passive Level Dependent Hearing Protective Devices (D. Gauger);
S12/WG40—Measurement of the Noise Aboard Ships (S. Fisher, Chair; A. F. Kilcullen, Vice Chair);
S12/WG41—Model Community Noise Ordinances (F. Kessler).

Liaison Working Groups:

S12L-1 IEEE 85 Committee for TAG Liaison—Noise Emitted by Rotating Electrical Machines (Parallel to ISO/TC 43/SC 1/WG 13) (R. G. Bartheld);
S12L-2 Measurement of Noise from Pneumatic Compressors Tools and Machines (Parallel to ISO/TC 43/SC 1/WG 9) (Vacant);
S12L-3 SAE Committee for TAG Liaison on Measurement and Evaluation of Motor Vehicle Noise (parallel to ISO/TC 43/SC 1/WG 8) (R. F. Schumacher);
S12L-4 SAE Committee A-21 for TAG Liaison on Measurement and Evaluation of Aircraft Noise (C. Bautz);
S12L-5 ASTM E-33 on Environmental Acoustics (to include activities of ASTM E33.06 on Building Acoustics, parallel to ISO/TC 43/SC 2 and ASTM E33.09 on Community Noise) (R. M. Guernsey);
S12L-6 SAE Construction-Agricultural Sound Level Committee (W. H. Flint);
S12L-7 SAE Specialized Vehicle and Equipment Sound Level (T. Disch);
S12L-8 ASTM FTC No. 36 Measurement of Industrial Sound (R. A. Putnam, Chair; B. M. Brooks, Vice Chair).

S12 STANDARDS ON NOISE


ASA Committee on Standards (ASACOS)

ASACOS (D. L. Johnson, Chair and ASA Standards Director; P. D. Schomer, ASACOS Vice Chair).

U.S. Technical Advisory Groups (TAG) for International Standards Committees:
ISO/TC 43, ISO/TC 43 /SC 1 Noise (P. D. Schomer, Chair; H. E. von Gierke, Vice Chair)
ISO/TC 94 /SC 12 Hearing Protection (E. H. Berger, Chair)
ISO/TC 108 Mechanical Vibration and Shock (D. J. Evans, Chair)
IEC/TC 29 Electroacoustics (V. Nedzelnitsky, Technical Advisor) Advisor; D. F. Muster, Deputy Technical Advisor

Standards News from the United States

(Partially derived from ANSI Reporter, and ANSI Standards Action, with appreciation)

Call for comment on proposed American National Standards

This section lists proposed American National Standards that solicit public comments and review. The final dates for offering comments, listed in parentheses, are for information only. Copies of these documents are available from ANSI or from the organizations listed.

ACOUSTICS
BSR/ASME PTC 36-1985, Measurement of Industrial Sound (reaffirmation of ANSI/ASME PTC 36-1985)
Covers procedures for measuring and reporting airborne sound emissions from mechanical equipment (22 July 1997)

Final actions on American National Standards

ANSI’s Board of Standards Review has taken the final action indicated on the standards listed below. When the approved standards are published, an announcement will be carried in Standards Action, in ANSI’s Supplements to the Catalog of American National Standards, and in trade publications.

CONNECTORS, ELECTRIC

AUDIOVISUAL SYSTEMS

FANS

ACOUSTICS

ASTM Standards
ACOUSTICS


IEC Standards

TERMINOLOGY (TC 1)


IEC Draft Standard

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)


CEN

European drafts sent for CEN enquiry

The following European drafts have been sent to CEN members for enquiry and comment. If the draft is a proposed adoption of an International Standard, it is so noted. The final date for offering comments is listed after each proposal. Copies are available from ANSI at the prices indicated.

ACOUSTICS


MECHANICAL VIBRATION


International documents submitted to the U. S. for vote and/or comment

Some of the documents processed recently by the ASA Standards Secretariat. Dates in parentheses are deadlines for submission of comments and recommendation for vote, and they are for information only.

U.S. TAG S2

First ISO/CD 2953—ISO Balancing Machines—Description and Evaluation (Affirmative without comments)

ISO/DIS 10056—Mechanical Vibration—Measurement and Analysis of Vibration to which Passenger and Crew are Exposed in Railway Vehicles (14 November 1997)


ISO/DIS 13090-1—Mechanical Vibration and Shock—Guidance on Safety Aspects of Tests and Experiments

Standards News from Abroad

(Partially derived from ANSI Reporter and ANSI Standards Action, with appreciation)

Newly published ISO and IEC Standards and Technical Reports

This section lists new and revised standards and technical reports recently approved and promulgated by ISO and IEC. These documents together with catalog listing several thousand current ISO and IEC standards are available from ANSI.

ISO Standards

ACOUSTICS (TC 43)

ISO 266: 1997. Acoustics—Preferred frequencies,
with People—Part 1—Exposure to Mechanical Vibration and Repeated Shock (affirmative without comments)

ISO/DIS 10068—Mechanical Vibration and Shock—Free, Mechanical Impedance of the Human Hand-Arm System at the Driving Point (Negative with comments)