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# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

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## **AAFS (American Academy of Forensic Sciences)**

410 North 21st Street, Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

Contact: Teresa Ambrosius; [tambrosius@aafs.org](mailto:tambrosius@aafs.org)

### ***New Standard***

BSR/ASB Std 154-202x, Standard for Training on Testimony for Forensic Biology (new standard)

Stakeholders: Forensic DNA laboratories, criminal justice system.

Project Need: The purpose of this document is to provide consistency and quality in training programs for forensic biology practitioners rendering testimony.

Scope: This document provides minimum training program requirements for forensic biology practitioners on scientific and legal principles necessary to testify.

## **ABMA (ASC B3) (American Bearing Manufacturers Association)**

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 [www.americanbearings.org](http://www.americanbearings.org)

Contact: Amir Aboutaleb; [aboutaleb@agma.org](mailto:aboutaleb@agma.org)

### ***New National Adoption***

BSR ABMA ISO 12240-1-AXX-202x, Spherical plain bearings - Part 1: Radial spherical plain bearings (identical national adoption of ISO 12240-1:1998)

Stakeholders: Users and manufacturers of spherical plain bearings.

Project Need: To replace current adopted version.

Scope: This part of ISO 12240 specifies dimension series, tolerances, and radial internal clearances for radial spherical plain bearings.

## **ABMA (ASC B3) (American Bearing Manufacturers Association)**

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 [www.americanbearings.org](http://www.americanbearings.org)

Contact: Amir Aboutaleb; [aboutaleb@agma.org](mailto:aboutaleb@agma.org)

### ***New National Adoption***

BSR ABMA ISO 12240-2-AXX-202x, Spherical plain bearings - Part 2: Angular contact radial spherical plain bearings (identical national adoption of ISO 12240-2:1998)

Stakeholders: Users and manufacturers of spherical plain bearings.

Project Need: To replace current adopted version.

Scope: This part of ISO 12240 specifies dimensions and tolerances for angular contact radial spherical plain bearings.

**ABMA (ASC B3) (American Bearing Manufacturers Association)**

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 [www.americanbearings.org](http://www.americanbearings.org)

Contact: Amir Aboutaleb; [aboutaleb@agma.org](mailto:aboutaleb@agma.org)

***New National Adoption***

BSR ABMA ISO 12240-3-AXX-202x, Spherical plain bearings - Part 3: Thrust spherical plain bearings (identical national adoption of ISO 12240-3:1998)

Stakeholders: Users and manufacturers of thrust spherical plain bearings.

Project Need: To replace current adopted version.

Scope: This part of ISO 12240 specifies dimensions and tolerances for thrust spherical plain bearings.

**ABMA (ASC B3) (American Bearing Manufacturers Association)**

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 [www.americanbearings.org](http://www.americanbearings.org)

Contact: Amir Aboutaleb; [aboutaleb@agma.org](mailto:aboutaleb@agma.org)

***New National Adoption***

BSR ABMA ISO 12240-4-AXX-202x, Spherical plain bearings - Part 4: Spherical plain bearing rod ends (identical national adoption of ISO 12240-4:1998)

Stakeholders: Users and manufacturers of spherical plain bearing rod ends.

Project Need: To replace current adopted version.

Scope: This part of ISO 12240 specifies dimensions, tolerances, and radial internal clearances for various dimension series of spherical plain bearing rod ends.

**ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 [www.abycinc.org](http://www.abycinc.org)

Contact: Sara Moulton; [smoulton@abycinc.org](mailto:smoulton@abycinc.org)

***Revision***

BSR/ABYC A-16-202x, Electric Navigation Lights (revision of ANSI/ABYC A-16-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, construction, performance, and installation of electric navigation lights.

Scope: This standard applies to the electric navigation lighting installed on vessels under 20 meters (65 ft.) in length.

**ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 [www.abycinc.org](http://www.abycinc.org)

Contact: Sara Moulton; [smoulton@abycinc.org](mailto:smoulton@abycinc.org)

***New Standard***

BSR/ABYC C-5-202x, Construction and Testing of Electric Navigation Lights (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: To determine safety measures for the manufacture and use of electric navigation lights on boats.

Scope: This standard applies to the requirements for the design, construction, performance, and testing of electric navigation lights for boats.

**ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 [www.abycinc.org](http://www.abycinc.org)

Contact: Sara Moulton; [smoulton@abycinc.org](mailto:smoulton@abycinc.org)

**Revision**

BSR/ABYC H-25-202x, Portable and Semi-Portable Marine Gasoline Fuel Systems (revision of ANSI/ABYC H-25-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard addresses the design, construction, and stowage of portable tanks with related fuel lines and accessories comprising a portable gasoline fuel system for boats.

Scope: This standard applies to portable gasoline fuel systems of 12 gal (55.5 L) or less and to semi-portable gasoline fuel systems of greater than 12 gal (55.5 L) to less than 25 gal (95.6 L).

**ASA (ASC S1) (Acoustical Society of America)**

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 [www.acousticalsociety.org](http://www.acousticalsociety.org)

Contact: Nancy Blair-DeLeon; [standards@acousticalsociety.org](mailto:standards@acousticalsociety.org)

**New National Adoption**

BSR/ASA S1.22-202x/IEC 60263-202x, Scales and sizes for plotting frequency characteristics and polar diagrams (identical national adoption of IEC 60263:2020)

Stakeholders: Stakeholders include R&D and QC for professional, medical, telecom, and consumer hardware and software products, publishers of scientific journals and documents, and standards development organizations.

Project Need: Information in this standard had not been updated since 1982 but is still relevant and all too often ignored in scientific papers, presentations, computer screens – and especially in standards! Useful new additions include preferred aspect ratios for log-log axes plots and information about related linear graphs and plots. There is no other existing reference for this information.

Scope: This standard specifies the aspect ratios for logarithmic, or level characteristics expressed in decibels, versus a logarithmic frequency axis on a Cartesian (x vs. y) axis. Level ranges for polar diagrams are also specified. This standard is applicable to printouts, electronic files, scientific publications, screen displays and graphs in other standards.

**ASSP (Safety) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 [www.assp.org](http://www.assp.org)

Contact: Rick Blanchette; [rblanchette@assp.org](mailto:rblanchette@assp.org)

**Revision**

BSR/ASSE Z490.1-202x, Criteria for Accepted Practices in Safety, Health and Environmental Training (revision of ANSI/ASSE Z490.1-2016)

Stakeholders: OSH professionals.

Project Need: Based upon the consensus of the ASSP Z490 and the leadership of ASSP.

Scope: This standard establishes criteria for safety, health, and environmental training programs, including program management, development, delivery, evaluation, and documentation. The purpose of this standard is to provide criteria for accepted practices for safety, health, and environmental training programs including development, delivery, evaluation, and program management.

**CSA (CSA America Standards Inc.)**

8501 E. Pleasant Valley Road, Cleveland, OH 44131 [www.csagroup.org](http://www.csagroup.org)

Contact: David Zimmerman; [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

**Revision**

BSR/CSA HGV 4.2-202x, Hoses for dispensing compressed gaseous hydrogen (revision of ANSI/CSA HGV 4.2-2013 (R2019))

Stakeholders: Consumers, manufacturers, gas suppliers, certification agencies.

Project Need: Revision needed to remove on-board vehicle hose content, and align with international requirements.

Scope: This standard specifies requirements for the materials, design, manufacture, and testing of hoses and hose assemblies used for dispensing compressed gaseous hydrogen to vehicles.

**CSA (CSA America Standards Inc.)**

8501 E. Pleasant Valley Road, Cleveland, OH 44131 [www.csagroup.org](http://www.csagroup.org)

Contact: David Zimmerman; [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

**Revision**

BSR/CSA HGV 4.3-202x, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3-2019)

Stakeholders: Consumers, manufacturers, gas suppliers, automotive OEMs, certification agencies.

Project Need: Revise to include CHSS Capacity Category D and Factory and Site Acceptance Testing requirements.

Scope: This Standard establishes the test method, criteria, and device to evaluate a hydrogen fueling station dispensing system (referred to in this standard as a “dispenser”) as it relates to achieving the protocols specified in SAE J2601 and SAE J2799. The testing evaluation applies to dispensers designed to fill vehicle storage systems following the prescribed protocols defined in SAE J2601 that target rapid fills, while respecting temperature, pressure, and fuel-density safety limits

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

Contact: Laura Donohoe; [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)

**Revision**

BSR/EIA 364-70D-202x, Temperature Rise Versus Current Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-70C-2014)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate current American National Standards.

Scope: This procedure establishes the test procedures for determining temperature rise versus current for connectors and sockets with conductor sizes equal to or less than 0000 AWG or equivalent.

**IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

5001 East Philadelphia Street, Ontario, CA 91761 <https://www.iapmostandards.org>

Contact: Kyle Thompson; [standards@iapmostandards.org](mailto:standards@iapmostandards.org); [angela.juarez@iapmo.org](mailto:angela.juarez@iapmo.org)

***New Standard***

BSR/IAPMO Z1106-202x, Tileable Shower Receptors and Shower Kits (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors

Project Need: Needed for testing and certification purposes.

Scope: This Standard specifies requirements for materials, manufacture, physical characteristics, performance testing, and markings for (a) prefabricated, tileable shower receptors and (b) tileable and pre-tiled shower kits intended to be assembled in the place of final installation. NOTE: Shower kits covered by this Standard are intended to be used for walls and floors.

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 [www.neca-neis.org](http://www.neca-neis.org)

Contact: Aga Golriz; [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)

***Revision***

BSR/NECA 90-202X, Standard for Commissioning Building Electrical Systems (revision of ANSI/NECA 90-2015)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Scope: This Standard describes installation procedures for start-up, testing, and commissioning newly installed or retrofitted building electrical systems, equipment, and components. It defines the commissioning process and provides sample guidelines for attaining optimum system performance that conform to design, specification, and industry-accepted Codes and Standards. This Standard addresses those commissioning activities that typically involve the Electrical Contractor and that are completed during and after the construction phase. The commissioning process also involves activities that are beyond the scope of this Standard.

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

Contact: Khaled Masri; [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)

***New National Adoption***

BSR C18.1M, Part 2-202X, Standard for Portable Primary Cells and Batteries with Aqueous Electrolyte - Safety Standard (national adoption of IEC 60086-5 with modifications and revision of ANSI C18.1M, Part 2-2019)

Stakeholders: Manufacturers, consumers, electronics, government regulators, and testing laboratories

Project Need: Update requirements for safety.

Scope: This standard specifies tests and requirements for portable primary batteries with aqueous electrolyte and zinc anode (non-lithium) to ensure their safe operation under normal use and reasonably foreseeable misuse.

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

Contact: Khaled Masri; [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)

**Revision**

BSR C18.2M, Part 1-202x, Standard for Portable Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.2M, Part 1-2019)

Stakeholders: Manufacturers, users and testing laboratories of Portable Rechargeable Cells and Batteries

Project Need: Update requirements.

Scope: This publication applies to portable rechargeable or secondary cells and batteries based on the following electrochemical systems: (a) Nickel-cadmium; (b) Nickel-metal hydride; and (c) Nickel-zinc.

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

Contact: Khaled Masri; [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)

**Revision**

BSR C18.3M, Part 2-202x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2019)

Stakeholders: Consumer electronics, manufacturers, testing labs.

Project Need: Introduce new requirements for safety.

Scope: This American National Standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse.

**UL (Underwriters Laboratories)**

333 Pfingsten Road, Northbrook, IL 60062-2096 <https://ul.org/>

Contact: Susan Malohn; [Susan.P.Malohn@ul.org](mailto:Susan.P.Malohn@ul.org)

**New Standard**

BSR/UL 3010-202x, Standard for Safety for Single Site Energy Systems (new standard)

Stakeholders: Producers of single-site energy systems (SSES), producers of grid interconnection equipment, research and development laboratories, electrical inspection authorities, electric utilities, building officials, and other interested parties.

Project Need: UL 3010 covers the safety of the single-site energy systems (SSES) operating as a system. It will be part of a suite of standards addressing the larger microgrid arena. UL 3010 will cover smaller (residential and light commercial) systems since that application is not covered by the following standards in development: UL 3005 (safety of distributed energy resource management systems) and UL 3001 (larger systems such as corporate & university campus, neighborhood, military base, etc.). Single Site Energy Systems (SSES) contain multiple sources of energy that, even when evaluated to their component or subsystem standards, have the potential for additional hazards not addressed in the component or sub-system standards.

Scope: Single Site Energy Systems (SSES) may be comprised of distributed energy sources such as PV arrays, rotating generators, wind turbines, energy storage systems, grid interface equipment, and related equipment. This standard covers the safety, performance, and power quality of the SSES, interface with premises wiring, and any potential interaction with outside power systems. This standard covers systems that provide energy to single-site electrical loads, such as a single family dwelling or single commercial building, and may export power to an external power system. An SSES may operate permanently in stand-alone mode or transition between stand-alone mode and parallel operation with an outside power system such as a utility grid.

# Call for Comment on Standards Proposals

## American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

### Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: January 3, 2021

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 37-202x (i7r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)

Equipment covered by this Standard includes, but is not limited to, air curtains for entranceways in food and food service establishments, and (e.g., service and customer entries, service windows, cooler and cold-storage entries). Housing, air-moving equipment, air-directional regulating devices, and other appurtenances to the air curtain are included.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Allan Rose; [arose@nsf.org](mailto:arose@nsf.org)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 40-202x (i40r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider; [jsnider@nsf.org](mailto:jsnider@nsf.org)



## Comment Deadline: January 3, 2021

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 245-202x (i23r2), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider; [jsnider@nsf.org](mailto:jsnider@nsf.org)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 350-202x (i60r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include Greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider; [jsnider@nsf.org](mailto:jsnider@nsf.org)

### UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: <https://ul.org/>

#### Revision

BSR/UL 174-202x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2020)

The following topic is being proposed: (1) Cord-connected water heaters.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

### UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 p: (919) 549-1391 w: <https://ul.org/>

#### Revision

BSR/UL 201-202x, Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2019)

(1) Add electronic format instructions.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: January 3, 2021

### UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: <https://ul.org/>

#### **Revision**

BSR/UL 498-202x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2020)

This proposal for UL 498 covers: (1) Revision of Figure 100.1 for Improper Insertion Blades.

[Click here to view these changes in full](#)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: January 18, 2021

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: [www.aafs.org](http://www.aafs.org)

#### **New Standard**

BSR/ASB STD 098-202x, Standard for Mass Spectral Data Acceptance in Forensic Toxicology (new standard)

This document provides criteria for the acceptance of mass spectral analyses of small molecules (compounds with an atomic weight of less than 800 daltons) in laboratories conducting any of the following forensic toxicology subdisciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services), and general forensic toxicology (non-lethal poisonings or intoxications). The document provides minimum requirements for acquiring data on single- or multiple-stage mass spectrometers using low- or high-resolution mass spectrometers. It also provides instruction on the evaluation of mass spectral data when conducting acquisitions in full-scan mode, selected ion monitoring, multiple-stage analyses, or when using high-resolution mass analyzers. Criteria, requirements, and instructions in this document are not intended for the area of breath alcohol toxicology. Further, it is not intended to address the use of matrix-assisted laser desorption, inductively coupled plasma, or ion mobility mass spectrometry. It is also not intended to provide criteria for analyte identification in forensic toxicology laboratories. NOTE: Please note that comments on a re-circulation will only be accepted on revised sections of a document. Comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>.

Order from: Document will be provided electronically on AAFS Standards Board website [www.asbstandardsboard.org](http://www.asbstandardsboard.org) free of charge.

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [asb@aafs.org](mailto:asb@aafs.org)

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: [www.aafs.org](http://www.aafs.org)

#### **New Standard**

BSR/ASB STD 113-202x, Standard for Identification Criteria in Forensic Toxicology (new standard)

This document sets minimum criteria, based on a point system, for the identification of an analyte during forensic toxicology testing. The document provides a mechanism for laboratories to evaluate each analytical technique to determine if their testing regimen is sufficient to meet or exceed the minimum points required for identification. This document does not address identification of alcohols, carbon monoxide, cyanide, or metals. NOTE: Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>.

Order from: Document will be provided electronically on AAFS Standards Board website [www.asbstandardsboard.org](http://www.asbstandardsboard.org) free of charge.

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [asb@aafs.org](mailto:asb@aafs.org)

## Comment Deadline: January 18, 2021

### **AAFS (American Academy of Forensic Sciences)**

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: [www.aafs.org](http://www.aafs.org)

#### ***New Standard***

BSR/ASB Std 139-202x, Reporting DNA Conclusions (new standard)

This standard contains the reporting requirements for autosomal STR and haplotype DNA conclusions for results obtained from evidentiary samples in forensic casework and does not apply to paternity or any other biological relatedness conclusions. This standard only addresses the requirements for providing DNA conclusions in the report.

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### **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8263 w: [www.aami.org](http://www.aami.org)

#### ***New National Adoption***

BSR/AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1:202x and revision of ANSI/AAMI/ISO 5840-1-2015)

Applicable to heart valve substitutes intended for implantation and provides general requirements. Subsequent parts of the ISO 5840 series provide specific requirements. Applicable to newly developed and modified heart valve substitutes and to the accessory devices, packaging, and labeling required for their implantation and for determining the appropriate size of the heart valve substitute to be implanted.

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901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8263 w: [www.aami.org](http://www.aami.org)

#### ***New National Adoption***

BSR/AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:202x and revision of ANSI/AAMI/ISO 5840-2-2015)

Applicable to heart valve substitutes intended for implantation in human hearts, generally requiring cardiopulmonary bypass and generally with direct visualization. Applicable to both newly developed and modified surgical heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the surgical heart valve substitute to be implanted.

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### **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8263 w: [www.aami.org](http://www.aami.org)

#### ***New National Adoption***

BSR/AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (identical national adoption of ISO 5840-3:202x and revision of ANSI/AAMI/ISO 5840-3-2012)

Applicable to all devices intended for implantation as a transcatheter heart valve substitute. Applicable to transcatheter heart valve substitutes and to the accessory devices, packaging, and labeling required for their implantation and for determining the appropriate size of the heart valve substitute to be implanted.

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901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8263 w: [www.aami.org](http://www.aami.org)

#### ***New National Adoption***

BSR/AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2:2020 and revision of ANSI/AAMI/ISO 25539-2-2012)

Specifies requirements for the evaluation of stent systems (vascular stents and delivery systems) and requirements with respect to nomenclature, design attributes, and information supplied by the manufacturer, based upon current medical knowledge. Guidance for the development of in vitro test methods is included.

Single copy price: Free

Obtain an electronic copy from: [cbernier@aami.org](mailto:cbernier@aami.org)

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### **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8274 w: [www.aami.org](http://www.aami.org)

#### ***New Standard***

BSR/AAMI PC76-202x, Active implantable medical devices - Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging (new standard)

Provides requirements and test protocols for implantable pacemakers and ICDs exposed to magnetic resonance imaging. Physicians are increasingly using magnetic resonance imaging as tool for differential diagnostic, thus exposing pacemakers and ICD patients to such equipment. Current product standards for implantable pacemakers and ICDs do not include requirements and test protocols for implantable pacemakers and ICDs, which would ensure patient safety during such procedures.

Single copy price: Free

Obtain an electronic copy from: [jmoyer@aami.org](mailto:jmoyer@aami.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Moyer; [jmoyer@aami.org](mailto:jmoyer@aami.org)

### **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: [www.abycinc.org](http://www.abycinc.org)

#### ***Revision***

BSR/ABYC EDU-2-202x, On-Water Recreational Boating Skills - Human-Propelled (revision of ANSI/ABYC EDU-2-2016)

This standard defines the entry-level skills students are able to demonstrate upon successful completion of on-water entry-level courses of instruction in recreational human-propelled vessel operation.

Single copy price: \$50.00

Obtain an electronic copy from: [www.abycinc.org](http://www.abycinc.org)

Order from: Sara Moulton; [smoulton@abycinc.org](mailto:smoulton@abycinc.org)

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### **ASC X9 (Accredited Standards Committee X9, Incorporated)**

275 West Street, Suite 107, Annapolis, MD 21401 p: (410) 267-7707 w: [www.x9.org](http://www.x9.org)

#### ***Reaffirmation***

BSR X9.100-181-2014 (R202x), TIFF Image Format for Image Exchange (reaffirmation of ANSI X9.100-181-2014)

The scope of this standard is to define specific TIFF fields and parameters for check image exchange and the allowable values for those parameters. This standard will only address the use of G4 bilevel image (black/white) compressions within the TIFF 6.0 structure. A "least common denominator" approach was used to identify the fields that everyone should read and the required or allowable values for these fields that everyone will be expected to support. To accomplish interoperability, some of the fields and values are more restrictive compared to what is being generated in today's environment. In addition, this standard clarified areas that have been interpreted in different ways.

Single copy price: \$60.00

Obtain an electronic copy from: [ambria.frazier@x9.org](mailto:ambria.frazier@x9.org)

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### **ASCE (American Society of Civil Engineers)**

1801 Alexander Bell Dr, Reston, VA 20191 p: (703) 295-6176 w: [www.asce.org](http://www.asce.org)

#### ***New Standard***

BSR/ASCE/COS 73-202x, Standard Requirements for Sustainable Infrastructure (new standard)

The components and outcomes described in the chapters of this standard are intended to guide sustainable infrastructure development through the entire life-cycle process. Leadership shall encourage transformative development of the infrastructure solution at the earliest stages; consider and analyze all reasonable alternatives; and consider natural, no-construction, and constructed project solutions. For constructed project solutions, the entire life cycle of the project shall be considered within the context of this standard.

Single copy price: Free

Obtain an electronic copy from: [jneckel@asce.org](mailto:jneckel@asce.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: James Neckel; [jneckel@asce.org](mailto:jneckel@asce.org)

### **ASQ (American Society for Quality)**

600 N Plankinton Ave, Milwaukee, WI 53203 p: (414) 272-8575 w: [www.asq.org](http://www.asq.org)

#### ***New Standard***

BSR/ASQ G1-202x, Guidelines for Evaluating the Quality of Government Operations and Services (new standard)

This document provides process and systems models that can be used for objective performance review and evaluation of government services, which will provide a relative ranking of the effectiveness and maturity of those processes and systems. These models will facilitate establishment and maintenance of quality management systems in government and encourage continual improvement. Also included are guidelines for qualification for evaluators of government services, using this standard.

Single copy price: Free

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### **ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 768-3411 w: [www.assp.org](http://www.assp.org)

#### ***Revision***

BSR/ASSP A10.12-202x, Safety Requirements for Excavation (revision and redesignation of ANSI/ASSE A10.12-1998 (R2016))

This standard applies to all open excavations made in the earth's surface that require worker and/or property protection.

Single copy price: \$110.00

Obtain an electronic copy from: [tfisher@assp.org](mailto:tfisher@assp.org)

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### **AWPA (ASC O5) (American Wood Protection Association)**

P.O. Box 361784, Birmingham, AL 35236-1784 p: (205) 733-4077 w: [www.awpa.com](http://www.awpa.com)

#### **Revision**

BSR O5.3-202x, Solid Sawn Wood Crossarms, Braces, and Wood Ground Wire Moulding - Specifications & Dimensions (revision of ANSI O5.3-2015)

This standard consists of specifications covering solid sawn-wood crossarms and braces manufactured from coastal Douglas-fir (*Pseudotsuga menziesii* - variety *menziesii*) grown in the West Coast region (i.e., from the summit area of the Cascade Mountains of Washington, Oregon, California, and British Columbia, Canada) to the Pacific Ocean; and from dense Southern pine of the following species: longleaf pine (*Pinus palustris*), shortleaf pine (*Pinus echinata*), loblolly pine (*Pinus taeda*), and slash pine (*Pinus elliottii*). The specifications are intended to cover communications crossarms, power crossarms, heavy-duty crossarms, heavy-duty braces, and ground wire moulding. Crossarms are intended primarily for use as beams. Heavy-duty crossarms may also be used as struts or columns in braced H-frames. Braces are used for tension and/or compression-bracing. Ground-wire moulding is used to protect the ground wire at the base of the pole.

Single copy price: Free

Obtain an electronic copy from: <https://asco5.org/contact/>

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### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: [www.ecianow.org](http://www.ecianow.org)

#### **Reaffirmation**

BSR/EIA 970-2013 (R202x), Test Procedure for High Frequency Characterization of Low Inductance Multilayer Ceramic Chip Capacitors (reaffirmation of ANSI/EIA 970-2013)

This test method is used to measure the S parameters of low-inductance multilayer ceramic capacitors when mounted in shunt on a probable low-inductance test fixture. The test method can be used to characterize low-inductance capacitors. The output of this specification is a frequency-independent lumped element representation of a capacitor consisting of three elements, equivalent series capacitance (ESC), equivalent series resistance (ESR), and equivalent series inductance (ESL) applicable in the range of 30 kHz to 3 GHz.

Single copy price: \$80.00

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### **FCI (Fluid Controls Institute)**

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: [www.fluidcontrolsinstitute.org](http://www.fluidcontrolsinstitute.org)

#### **Revision**

BSR/FCI 70-3-202x, Standard for Regulator Seat Leakage Testing (revision of ANSI/FCI 70-3-2016)

This standard establishes a series of seat leakage classes for regulators and defines the production test procedures.

Single copy price: Free

Obtain an electronic copy from: [fci@fluidcontrolsinstitute.org](mailto:fci@fluidcontrolsinstitute.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Leslie Schraff, [fci@fluidcontrolsinstitute.org](mailto:fci@fluidcontrolsinstitute.org)

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### IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

5001 East Philadelphia Street, Ontario, CA 91761 p: (909) 230-5534 w: <https://www.iapmostandards.org>

#### **Reaffirmation**

BSR/IAPMO Z600/CSA B125.5-2011 (R202x), Flexible water connectors with excess flow shut-off devices (reaffirmation of ANSI/IAPMO Z600/CSA B125.5-2011 (R2016))

This Standard specifies test methods and markings for flexible water connectors with excess flow shut-off devices. The devices covered by this Standard are intended to be used in water supply systems under (a) continuous pressure in accessible locations; or (b) intermittent pressure in recreational vehicles.

Single copy price: \$100.00

Obtain an electronic copy from: [https://iapmomembership.org/index.php?page=shop.](https://iapmomembership.org/index.php?page=shop.product_details&flypage=flypage_iapmo)

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### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 p: (202) 991-6252 w: [www.neca-neis.org](http://www.neca-neis.org)

#### **Revision**

BSR/NECA 411-202X, Installing and Maintaining Uninterruptible Power Supplies (revision of ANSI/NECA 411-2014)

This standard describes installation and maintenance procedures for permanently installed, static, three-phase Uninterruptible Power Supplies (UPSs) rated 30 kVA or more and rated 600 Volts or less, and related battery systems installed indoors or outdoors for commercial and industrial applications.

Single copy price: \$5.00

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

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### NECA (National Electrical Contractors Association)

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#### **Revision**

BSR/NECA/EGSA 404-202X, Standard for Installing Generator Sets (revision and redesignation of ANSI/NECA 404-2014)

This Standard describes installation procedures for generators, rated 1000 volts and less, and related accessories and systems that are permanently installed for on-site standby or emergency power generation that are typically fueled by natural gas, Liquefied Petroleum Gas (LPG) or propane, or diesel. Such generators may be defined as "emergency systems" or "legally required standby systems" intended to supply power for emergency or life-safety applications in accordance with the NEC, or as "optional standby systems" in accordance with the NEC where life safety does not depend on the performance of the system.

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### **NEMA (ASC C137) (National Electrical Manufacturers Association)**

1300 N 17th St Suite 900, Rosslyn, VA 22209 p: (703) 841-3262 w: [www.nema.org](http://www.nema.org)

#### ***New Standard***

BSR/C137.5-202X, Energy Reporting Requirements for Lighting Devices (new standard)

This standard specifies the minimum performance requirements for lighting devices that report energy data to verify energy efficiency performance. These requirements include the specific energy data types to be reported, the nominal and statistical accuracy performance for all reported data types, and references to other standards that define the information model for all data types. Lighting devices addressed by this standard include: AC- and DC-powered light sources (including both integral replacement lamps and luminaires); LED drivers and other integral or remote power sources; lighting system or device controllers; and associated user interface devices.

Single copy price: \$100.00

Obtain an electronic copy from: [michael.erbesfeld@nema.org](mailto:michael.erbesfeld@nema.org)

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### **NEMA (ASC C137) (National Electrical Manufacturers Association)**

1300 N 17th St Suite 900, Rosslyn, VA 22209 p: (703) 841-3262 w: [www.nema.org](http://www.nema.org)

#### ***New Standard***

BSR/C137.6-202X, Lighting Systems - Data Tagging Vocabulary (Semantic Model Elements) for Interoperability (new standard)

This standard is a Controlled Vocabulary of terms for Lighting Systems. These terms enable the development of semantic model elements, e.g., tags that facilitate the exchange of data and metadata used in control and analytics. The terms contained in this standard are intended to be used by available semantic models such as, but not limited to, the future ASHRAE 223P standard, Project Haystack, and Brick. The standard DOES NOT define a Data Model, Semantic Model, or Information Model. It additionally DOES NOT define the ontology, or relationships between the defined entries, beyond what is included in this standard.

Single copy price: \$100.00

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### **SCTE (Society of Cable Telecommunications Engineers)**

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: [www.scte.org](http://www.scte.org)

#### ***New Standard***

BSR/SCTE 260-1-202x, DPoE Architecture Specification (new standard)

This specification describes the version 2.0 architecture for DPoE Networks.

Single copy price: \$50.00

Obtain an electronic copy from: [admin@standards.scte.org](mailto:admin@standards.scte.org)

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#### ***New Standard***

BSR/SCTE 260-2-202x, DPoE IP Network Element Requirements (new standard)

As the name suggests, the scope for this document is the MAC and upper-layer protocols for DPoE Networks. The MAC in DPoE Networks is EPON. This specification does not place any additional requirements on the EPON MAC beyond the [802.3] specifications for EPON. The first set of requirements is for the support of DOCSIS-based Operations Administration Maintenance and Provisioning (OAMP) for the MAC and upper-layer protocols as specified in [MULPIv3.0]. The second set of requirements is in addition to the above functionality traffic classification (as provisioned) and traffic forwarding (as both provisioned and according to the requirements set forth in this specification).

Single copy price: \$50.00

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#### ***New Standard***

BSR/SCTE 260-3-202x, DPoE Metro Ethernet Forum Specification (new standard)

This document describes the DPoE Network version 2.0 provisioning and operations requirement to support Metro Ethernet Services in DPoE Networks, which use EPON as defined in [802.3]. This document describes the provisioning of MEF E-Line (EPL and EVPL), E-LAN (EP-LAN and EVP-LAN), and E-Tree (EP-Tree and EVP-Tree) service in the DPoE Network.

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### **SCTE (Society of Cable Telecommunications Engineers)**

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: [www.scte.org](http://www.scte.org)

#### ***New Standard***

BSR/SCTE 260-4-202x, DPoE MAC and Upper Layer Protocols Interface (new standard)

As the name suggests, the scope for this document is the MAC and upper layer protocols for DPoE Networks. The MAC in DPoE Networks is EPON. This specification does not place any additional requirements on the EPON MAC beyond the [802.3] specifications for EPON. The first set of requirements is for the support of DOCSIS-based Operations Administration Maintenance and Provisioning (OAMP) for the MAC and upper layer protocols as specified in [MULPIv3.0]. The second set of requirements is in addition to the above functionality traffic classification (as provisioned) and traffic forwarding (as both provisioned and according to the requirements set forth in this specification).

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#### ***New Standard***

BSR/SCTE 260-5-202x, DPoE OAM Extensions Specification (new standard)

Since the vCM operates on the DPoE System (instead of the D-ONU), a means of communication from the vCM to the D-ONU is required. The D-ONU does not require an IP stack. Therefore, [802.3] standard EPON OAM is used for messaging between the vCM on the DPoE System and the D-ONU. The OAM Extensions specified here provide additional means for such messaging for parameters not supported in the [802.3] standard EPON OAM. The [802.3] specifications allow vendor-specific OAM extensions. This document describes the usage of this extension feature to provide for a common set of OAM extensions to support interoperability between all vendors that choose to develop products in accordance with the DPoE specifications.

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### **SCTE (Society of Cable Telecommunications Engineers)**

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#### ***New Standard***

BSR/SCTE 260-6-202x, DPoE Operations and Support System Interface Specification (new standard)

This specification identifies requirements for the adaptation or additions to DOCSIS specifications that are required to support DPoE Networks related to the Operations Support System functional area.

Single copy price: \$50.00

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#### ***New Standard***

BSR/SCTE 260-7-202x, DPoE Physical Layer Specification (new standard)

This specification identifies requirements for the EPON PHY for the adaptation or additions to DOCSIS specifications that are required to support DOCSIS Provisioning of EPON.

Single copy price: \$50.00

Obtain an electronic copy from: [admin@standards.scte.org](mailto:admin@standards.scte.org)

Order from: [admin@standards.scte.org](mailto:admin@standards.scte.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [admin@standards.scte.org](mailto:admin@standards.scte.org)

### **SCTE (Society of Cable Telecommunications Engineers)**

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: [www.scte.org](http://www.scte.org)

#### ***New Standard***

BSR/SCTE 260-8-202x, DPoE Security and Certification Specification (new standard)

This specification identifies recommendations for the adaptation or additions to DOCSIS specifications that are required to support DOCSIS Provisioning of EPON (DPoE).

Single copy price: \$50.00

Obtain an electronic copy from: [admin@standards.scte.org](mailto:admin@standards.scte.org)

Order from: [admin@standards.scte.org](mailto:admin@standards.scte.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [admin@standards.scte.org](mailto:admin@standards.scte.org)

## Comment Deadline: January 18, 2021

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 p: (352) 378-0448 w: [www.sdi.org](http://www.sdi.org)

#### Revision

BSR/SDI QA/QC-202x, Standard for Quality Control and Quality Assurance for Installation of Steel Deck (revision of ANSI/SDI QA/QC-2017)

SDI QA/QC-20xx is a revision of the existing ANSI/SDI QA/QC-2017 standard. ANSI/SDI QA/QC-2017 is a standard for quality control and quality assurance for installation of steel deck to be used by designers, specifiers, manufacturers, and installers of steel deck used in floors and roofs. The specification sets guidelines and requirements for quality control and quality assurance for installation of steel deck. Non-mandatory user notes and commentary are included for further clarification and guidance.

Single copy price: Free for electronic copy

Obtain an electronic copy from: [bob@sdi.org](mailto:bob@sdi.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Robert Paul; [bob@sdi.org](mailto:bob@sdi.org)

### UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4271 w: <https://ul.org/>

#### Reaffirmation

BSR/UL 635-2012 (R202x), Standard for Safety for Insulating Bushings (reaffirmation of ANSI/UL 635-2012 (R2016))

This proposal covers the reaffirmation of UL 635 as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

### UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: <https://ul.org/>

#### Revision

BSR/UL 48-202x, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2018)

This proposal for UL 48 covers: (1) Switch not serving as sign disconnect; (2) Accessibility of through wiring.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

### UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: <https://ul.org/>

#### Revision

BSR/UL 496-202x, Standard for Safety for Lampholders (revision of ANSI/UL 496-2017)

This proposal for UL 496 covers: (1) Update ANSI C81.63 Gauge references; (2) Screwshell and device screw base material options.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: January 18, 2021

### UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: <https://ul.org/>

#### **Revision**

BSR/UL 710-202X, Standard for Exhaust Hoods for Commercial Cooking Equipment (revision of ANSI/UL 710-2019)

UL proposes revisions to the integrated ventilator requirements in UL 710.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: February 2, 2021

### UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-3038 w: <https://ul.org/>

#### **New National Adoption**

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

BSR/UL 60335-2-89-202X, Standard for Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor (national adoption of IEC 60335-2-89 with modifications and revision of ANSI/UL 60335-2-89-2017)

UL is proposing the 2nd Edition of UL 60335-2-89. The proposed changes include a major overhaul of the standard A2L, A2, and A3 allowances; mitigation measures; covered product scope; harmonization with IEC 60335-2-89 3rd Edition; and electrical and mechanical safety requirements for all refrigeration products. The updated standard will be instrumental in allowing the use of flammable, low-GWP refrigerants in the refrigeration sector products.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

### UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: <https://ul.org/>

#### **New Standard**

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

BSR/UL 3100-202x, Standard for Safety for Automated Mobile Platforms (AMPs) (new standard)

The proposed first edition of the Standard for Automated Mobile Platforms (AMPs), ANSI/CAN/UL 3100, covers battery-operated mobile platforms with or without a payload. These devices are intended to be used indoors only or as outdoor-use devices in a commercial or industrial environment. The device is battery powered using either lead-acid batteries or lithium-based batteries that, if rechargeable, are charged through a conductive system while either on board or off board the device.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

# Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

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## **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8274 w: [www.aami.org](http://www.aami.org)

### ***Reaffirmation***

ANSI/AAMI EC53-2013 (R2020), ECG trunk cables and patient leadwires (reaffirmation of ANSI/AAMI EC53-2013) Final Action Date: 11/20/2020

## **ADA (American Dental Association)**

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: [www.ada.org](http://www.ada.org)

### ***Revision***

ANSI/ADA Standard No. 2000.4-2020, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.3-2019) Final Action Date: 11/23/2020

## **AGMA (American Gear Manufacturers Association)**

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 p: (703) 684-0211 w: [www.agma.org](http://www.agma.org)

### ***Reaffirmation***

ANSI/AGMA 2015-2-B2015 (R2020), Gear Tooth Flank Tolerance Classification System - Definitions and Allowable Values of Double Flank Radial Composite Deviations (reaffirmation of ANSI/AGMA 2015-2-B2015) Final Action Date: 11/19/2020

### ***Reaffirmation***

ANSI/AGMA 2111-A98 (R2020), Cylindrical Wormgearing Tolerance and Inspection - Methods (Metric) (reaffirmation of ANSI/AGMA 2111-A98 (R2015)) Final Action Date: 11/20/2020

### ***Reaffirmation***

ANSI/AGMA 6014-B-2015 (R2020), Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment (reaffirmation of ANSI/AGMA 6014-B-2015) Final Action Date: 11/30/2020

### ***Reaffirmation***

ANSI/AGMA 6114-B-2015 (R2020), Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment - Metric Edition (reaffirmation of ANSI/AGMA 6114-B-2015) Final Action Date: 11/30/2020

### ***Revision***

ANSI/AGMA 6000-CXX-2020, Specification for Measurement of Linear Vibration on Gear Units (revision and redesignation of ANSI/AGMA 6000-B96 (R2016)) Final Action Date: 11/30/2020

## **ASABE (American Society of Agricultural and Biological Engineers)**

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: <https://www.asabe.org/>

### ***Reaffirmation***

ANSI/ASABE/NFBA S618 DEC2010 (R2020), Post Frame Building System Nomenclature (reaffirmation and redesignation of ANSI/ASABE S618 DEC2010 (R2016)) Final Action Date: 11/30/2020

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**

1791 Tullie Circle, NE, Atlanta, GA 30329 p: (404) 636-8400 w: [www.ashrae.org](http://www.ashrae.org)

**Addenda**

ANSI/ASHRAE Addendum g to ANSI/ASHRAE Standard 154-2016, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016) Final Action Date: 11/30/2020

**Addenda**

ANSI/ASHRAE Addendum h to ANSI/ASHRAE Standard 154-2016, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016) Final Action Date: 11/30/2020

**Addenda**

ANSI/ASHRAE Addendum i to ANSI/ASHRAE Standard 154-2016, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016) Final Action Date: 11/30/2020

**Addenda**

ANSI/ASHRAE Addendum j to ANSI/ASHRAE Standard 154-2016, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016) Final Action Date: 11/30/2020

**Addenda**

ANSI/ASHRAE/ASHE Addendum 170r-2017, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013) Final Action Date: 11/30/2020

**Addenda**

ANSI/ASHRAE/ICC/USGBC/IES Addendum ax to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017) Final Action Date: 11/30/2020

**New Standard**

ANSI/ASHRAE Standard 216-2020, Methods of Test for Determining Application Data of Overhead Circulator Fans (new standard) Final Action Date: 11/30/2020

**Reaffirmation**

ANSI/ASHRAE/ACCA Standard 183-2007 (R2020), Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings (reaffirmation of ANSI/ASHRAE/ACCA Standard 183-2007 (R2017)) Final Action Date: 11/30/2020

**Revision**

ANSI/ASHRAE Standard 41.11-2020, Standard Methods for Power Measurement (revision of ANSI/ASHRAE Standard 41.11-2014) Final Action Date: 11/30/2020

**Revision**

ANSI/ASHRAE Standard 64-2020, Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers (revision of ANSI/ASHRAE Standard 64-2011) Final Action Date: 11/30/2020

**Revision**

ANSI/ASHRAE Standard 125-2020, Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems (revision of ANSI/ASHRAE Standard 125-2016) Final Action Date: 11/30/2020

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**

1791 Tullie Circle, NE, Atlanta, GA 30329 p: (404) 636-8400 w: [www.ashrae.org](http://www.ashrae.org)

**Revision**

ANSI/ASHRAE Standard 127-2020, Method of Testing for Rating Air Conditioning Units Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces (revision of ANSI/ASHRAE Standard 127-2012) Final Action Date: 11/30/2020

**Revision**

ANSI/ASHRAE Standard 184-2020, Method of Test for Field Performance of Liquid-Chilling Systems (revision of ANSI/ASHRAE Standard 184-2016) Final Action Date: 11/30/2020

**ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Hwy., Park Ridge, IL 60068 p: (847) 768-3475 w: [www.assp.org](http://www.assp.org)

**Revision**

ANSI/ASSP A10.3-2020, Safety Requirements for Powder-Actuated Fastening Systems (revision and redesignation of ANSI/ASSE A10.3-2013) Final Action Date: 11/20/2020

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 w: [www.aws.org](http://www.aws.org)

**Addenda**

ANSI/AWS B4.0, AMD1-2021, Standard Methods for Mechanical Testing of Welds (addenda to ANSI/AWS B4.0-2016) Final Action Date: 11/30/2020

**BHCOE (Behavioral Health Center of Excellence)**

7083 Hollywood Boulevard, #565, Los Angeles, CA 90028 p: (310) 627-2746 1001 w: [www.bhcoe.org](http://www.bhcoe.org)

**New Standard**

ANSI/BHCOE 101-2020, Standard for the Documentation of Clinical Records for Applied Behavior Analysis Services (new standard) Final Action Date: 11/23/2020

**CSA (CSA America Standards Inc.)**

8501 E. Pleasant Valley Road, Cleveland, OH 44131 p: (216) 524-4990 w: [www.csagroup.org](http://www.csagroup.org)

**Revision**

ANSI NGV 4.8/CSA 12.8-2020, Natural gas vehicle fueling station compressor packages (revision of ANSI NGV 4.8/CSA 12.8-2012 (R2016)) Final Action Date: 11/30/2020

**Revision**

ANSI/CSA HGV 4.10-2020, Standard for Fittings for use in compressed gaseous hydrogen fueling stations (revision of ANSI/CSA HGV 4.10-2012 (R2019)) Final Action Date: 11/30/2020

**HL7 (Health Level Seven)**

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: [www.hl7.org](http://www.hl7.org)

**Reaffirmation**

ANSI/HL7 V3 RCL, R2-2007 (R2020), HL7 Version 3 Standard: Refinement, Constraint and Localization to Version 3 Messages, Release 2 (reaffirmation of ANSI/HL7 V3 RCL R2-2007 (R2015)) Final Action Date: 11/30/2020

**IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)**

445 Hoes Lane, Piscataway, NJ 08854 p: (732) 562-3874 w: [www.ieee.org](http://www.ieee.org)

**Reaffirmation**

ANSI C63.17 (R2020), Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices (reaffirmation of ANSI/IEEE C63.17-2013) Final Action Date: 11/30/2020

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: [www.nema.org](http://www.nema.org)

**\* Revision**

ANSI C18.2M, Part 2-2021, Portable Nickel Rechargeable Cells and Batteries - Safety Standard (revision of ANSI C18.2M, Part 2-2014) Final Action Date: 11/20/2020

**NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: [www.nfpa.org](http://www.nfpa.org)

**Revision**

ANSI/NFPA 11-2021, Standard for Low-, Medium-, and High-Expansion Foam (revision of ANSI/NFPA 11-2016) Final Action Date: 11/22/2020

**Revision**

ANSI/NFPA 30A-2021, Code for Motor Fuel Dispensing Facilities and Repair Garages (revision of ANSI/NFPA 30A-2018) Final Action Date: 8/31/2020

**Revision**

ANSI/NFPA 909-2021, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2017) Final Action Date: 11/22/2020

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: [www.nsf.org](http://www.nsf.org)

**Revision**

ANSI/NSF 4-2020 (i25r3), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019) Final Action Date: 12/1/2020

**Revision**

ANSI/NSF 40-2020 (i38r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019) Final Action Date: 11/20/2020

**Revision**

ANSI/NSF 42-2020 (i106r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019) Final Action Date: 11/25/2020

**Revision**

ANSI/NSF 49-2020 (i153r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019) Final Action Date: 11/23/2020



**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: [www.nsf.org](http://www.nsf.org)

**Revision**

ANSI/NSF 53-2020 (i124r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2019) Final Action Date: 11/25/2020

**Revision**

ANSI/NSF 59-2020 (i10r1), Mobile Food Carts (revision of ANSI/NSF 59-2017) Final Action Date: 11/29/2020

**Revision**

ANSI/NSF 244-2020 (i10r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2019) Final Action Date: 11/25/2020

**Revision**

ANSI/NSF 245-2020 (i20r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019) Final Action Date: 11/20/2020

**Revision**

ANSI/NSF 245-2020 (i21r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019) Final Action Date: 11/24/2020

**Revision**

ANSI/NSF 330-2020 (i11r2), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2019) Final Action Date: 11/27/2020

**Revision**

ANSI/NSF 401-2020 (i18r2), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019) Final Action Date: 11/25/2020

**UL (Underwriters Laboratories)**

12 Laboratory Drive, Research Triangle Park, NC 27709 p: (613) 368-4432 w: <https://ul.org/>

**Reaffirmation**

ANSI/UL 972-2005 (R2020), Standard for Safety for Burglary Resistant Glazing Material (reaffirmation of ANSI/UL 972-2005 (R2015)) Final Action Date: 11/20/2020

**Revision**

ANSI/UL 347-2020, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2016) Final Action Date: 11/23/2020

**Revision**

ANSI/UL 541-2020, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 541-2018) Final Action Date: 11/19/2020

**Revision**

ANSI/UL 797A-2020, Standard for Electrical Metallic Tubing - Aluminum and Stainless Steel (revision of ANSI/UL 797A-2017) Final Action Date: 11/20/2020

**Revision**

ANSI/UL 875-2020, Standard for Safety for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2017) Final Action Date: 11/19/2020

**UL (Underwriters Laboratories)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: <https://ul.org/>

***Revision***

ANSI/UL 1123-2020, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2017) Final

Action Date: 11/23/2020

***Revision***

ANSI/UL 1323-2020a, Standard for Safety for Scaffold Hoists (revision of ANSI/UL 1323-2020) Final

Action Date: 11/25/2020

# Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

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## **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8263 w: [www.aami.org](http://www.aami.org)

**CONTACT:** Cliff Bernier; [cbernier@aami.org](mailto:cbernier@aami.org)

BSR/AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1:202x and revision of ANSI/AAMI/ISO 5840-1-2015)

BSR/AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:202x and revision of ANSI/AAMI/ISO 5840-2-2015)

BSR/AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (identical national adoption of ISO 5840-3:202x and revision of ANSI/AAMI/ISO 5840-3-2012)

BSR/AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2:2020 and revision of ANSI/AAMI/ISO 25539-2-2012)

## **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8274 w: [www.aami.org](http://www.aami.org)

**CONTACT:** Jennifer Moyer; [jmoyer@aami.org](mailto:jmoyer@aami.org)

BSR/AAMI PC76-202x, Active implantable medical devices - Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging (new standard)

## **ABMA (ASC B3) (American Bearing Manufacturers Association)**

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 p: (703) 838-0053 w: [www.americanbearings.org](http://www.americanbearings.org)

**CONTACT:** Amir Aboutaleb; [aboutaleb@agma.org](mailto:aboutaleb@agma.org)

BSR ABMA ISO 12240-1-AXX-202x, Spherical plain bearings - Part 1: Radial spherical plain bearings (identical national adoption of ISO 12240-1:1998)

BSR ABMA ISO 12240-2-AXX-202x, Spherical plain bearings - Part 2: Angular contact radial spherical plain bearings (identical national adoption of ISO 12240-2:1998)

BSR ABMA ISO 12240-3-AXX-202x, Spherical plain bearings - Part 3: Thrust spherical plain bearings (identical national adoption of ISO 12240-3:1998)

BSR ABMA ISO 12240-4-AXX-202x, Spherical plain bearings - Part 4: Spherical plain bearing rod ends (identical national adoption of ISO 12240-4:1998)

## **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: [www.abycinc.org](http://www.abycinc.org)

**CONTACT:** Sara Moulton; [smoulton@abycinc.org](mailto:smoulton@abycinc.org)

Call for Members (ANS Consensus Bodies)

### **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: [www.abycinc.org](http://www.abycinc.org)

BSR/ABYC H-25-202x, Portable and Semi-Portable Marine Gasoline Fuel Systems (revision of ANSI/ABYC H-25-2016)

We are looking for consensus body members who belong to the following categories:  
Boat/engine manufacturers, trade associations, insurance/survey, specialist service,  
government, consumer.

### **ASQ (American Society for Quality)**

600 N Plankinton Ave, Milwaukee, WI 53203 p: (414) 272-8575 w: [www.asq.org](http://www.asq.org)

**CONTACT:** Julie Sharp; [standards@asq.org](mailto:standards@asq.org)

BSR/ASQ G1-202x, Guidelines for Evaluating the Quality of Government Operations and Services  
(new standard)

### **ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 768-3411 w: [www.assp.org](http://www.assp.org)

**CONTACT:** Tim Fisher; [TFisher@ASSP.org](mailto:TFisher@ASSP.org)

BSR/ASSP A10.12-202x, Safety Requirements for Excavation (revision and redesignation of ANSI/ASSE A10.12-1998 (R2016))

### **ASSP (Safety) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 768-3408 w: [www.assp.org](http://www.assp.org)

**CONTACT:** Rick Blanchette; [rblanchette@assp.org](mailto:rblanchette@assp.org)

BSR/ASSE Z490.1-202x, Criteria for Accepted Practices in Safety, Health and Environmental  
Training (revision of ANSI/ASSE Z490.1-2016)

### **AWPA (ASC O5) (American Wood Protection Association)**

P.O. Box 361784, Birmingham, AL 35236-1784 p: (205) 733-4077 w: [www.awpa.com](http://www.awpa.com)

**CONTACT:** Colin McCown; [colin@awpa.com](mailto:colin@awpa.com)

BSR O5.3-202x, Solid Sawn Wood Crossarms, Braces, and Wood Ground Wire Moulding -  
Specifications & Dimensions (revision of ANSI O5.3-2015)

### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: [www.ecianow.org](http://www.ecianow.org)

**CONTACT:** Laura Donohoe; [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)

BSR/EIA 364-70D-202x, Temperature Rise Versus Current Test Procedure for Electrical Connectors  
and Sockets (revision and redesignation of ANSI/EIA 364-70C-2014)

### **FCI (Fluid Controls Institute)**

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: [www.fluidcontrolsinstitute.org](http://www.fluidcontrolsinstitute.org)

**CONTACT:** Leslie Schraff; [fci@fluidcontrolsinstitute.org](mailto:fci@fluidcontrolsinstitute.org)

BSR/FCI 70-3-202x, Standard for Regulator Seat Leakage Testing (revision of ANSI/FCI 70-3-2016)

### **NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 p: (202) 991-6252 w: [www.neca-neis.org](http://www.neca-neis.org)

**CONTACT:** Aga Golriz; [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)

BSR/NECA 90-202X, Standard for Commissioning Building Electrical Systems (revision of  
ANSI/NECA 90-2015)

BSR/NECA 411-202X, Installing and Maintaining Uninterruptible Power Supplies (revision of  
ANSI/NECA 411-2014)

Call for Members (ANS Consensus Bodies)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 p: (202) 991-6252 w: [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA/EGSA 404-202X, Standard for Installing Generator Sets (revision and redesignation of ANSI/NECA 404-2014)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: [www.nsf.org](http://www.nsf.org)

**CONTACT:** Allan Rose; [arose@nsf.org](mailto:arose@nsf.org)

BSR/NSF 37-202x (i7r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: [www.nsf.org](http://www.nsf.org)

**CONTACT:** Jason Snider; [jsnider@nsf.org](mailto:jsnider@nsf.org)

BSR/NSF 40-202x (i40r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)

BSR/NSF 245-202x (i23r2), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

BSR/NSF 350-202x (i60r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

# Call for Members (ANS Consensus Bodies)

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## ANSI Accredited Standards Developer

### Association for the Advancement of Medical Instrumentation (AAMI)

AAMI ([www.aami.org](http://www.aami.org)) is actively seeking participation in the following standards development work and in the interest categories specified:

BSR/AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1:2020 and revision of ANSI/AAMI/ISO 5840-1-2015).

US adoption of AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements. Applicable to heart valve substitutes intended for implantation and provides general requirements. Subsequent parts of the ISO 5840 series provide specific requirements. Applicable to newly developed and modified heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:2020 and revision of ANSI/AAMI/ISO 5840-2-2015).

US adoption of AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes. Applicable to heart valve substitutes intended for implantation in human hearts, generally requiring cardiopulmonary bypass and generally with direct visualization. Applicable to both newly developed and modified surgical heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the surgical heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (national adoption of ISO 5840-3:2020 with modifications and revision of ANSI/AAMI/ISO 5840-3-2012).

US adoption of AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques. Applicable to all devices intended for implantation as a transcatheter heart valve substitute. Applicable to transcatheter heart valve substitutes and to the accessory devices, packaging and labelling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2:2020, Cardiovascular implants-Endovascular devices-Part 2: Vascular stents and revision of ANSI/AAMI/ISO 25539-2-2012).

US adoption of AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents. Specifies requirements for the evaluation of stent systems (vascular stents and delivery systems) and requirements with respect to nomenclature, design attributes and information supplied by the manufacturer, based upon current medical knowledge. Guidance for the development of in vitro test methods is included. Seeking industry, user, regulator and general interest participation.

## Call for Members (ANS Consensus Bodies)

### ANSI Accredited Standards Developer

#### INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at [jgarner@itic.org](mailto:jgarner@itic.org) or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

### ANSI Accredited Standards Developer

#### LES (Licensing Executives Society (U.S. and Canada))

The LES (Licensing Executives Society (U.S. and Canada)) is soliciting volunteers for the Consensus Body Partnership (CSP) to vote on our first proposed Intellectual Property Standard, Intellectual Property in the Supply Chain. There will be additional Standards for the CSP to vote on in 2021. Any interested parties are invited to join the CSP by applying for a CSP membership: <https://members.lesusacanada.org/page/lesstandards>.

Please download the membership form: [https://cdn.ymaws.com/members.lesusacanada.org/resource/resmgr/docs/standards/les\\_standards\\_membership\\_enr.pdf](https://cdn.ymaws.com/members.lesusacanada.org/resource/resmgr/docs/standards/les_standards_membership_enr.pdf).

The annual cost for joining the CSP is \$250. Voting will commence in January 2021. Be a part of creating a first proposed American National Standard on IP protection in the Supply Chain! If you have any questions, please contact Craig Moss at (203) 221-1843 or [craig.moss@ethisphere.com](mailto:craig.moss@ethisphere.com), Nicole Galli at (215) -525-9583 or [ndgalli@ndgallilaw.com](mailto:ndgalli@ndgallilaw.com) or Susan Houchins at Licensing Executive Society (703)-234-4059 or [shouchins@virtualinc.com](mailto:shouchins@virtualinc.com). Join us today!

## Call for Members (ANS Consensus Bodies)

### ANSI Accredited Standards Developer

#### Licensing Executive Society Standards Development Organization (LES)

The Licensing Executive Society Standards Development Organization (LES SDO) is soliciting volunteers for the Consensus Body Partnership (CSP) to vote on our first proposed Intellectual Property Standard, Intellectual Property in the Supply Chain. There will be additional Standards for the CSP to vote on in 2021. Any interested parties are invited to join the CSP by applying for a CSP membership: <https://members.lesusacanada.org/page/lesstandards>. Please download the membership form: [https://cdn.ymaws.com/members.lesusacanada.org/resource/resmgr/docs/standards/les\\_standards\\_membership\\_enr.pdf](https://cdn.ymaws.com/members.lesusacanada.org/resource/resmgr/docs/standards/les_standards_membership_enr.pdf). The annual cost for joining the CSP is \$250. Voting will commence in January 2021. Be a part of creating a first proposed American National Standard on IP protection in the Supply Chain! If you have any questions, please contact Craig Moss at (203) 221-1843 or [craig.moss@ethisphere.com](mailto:craig.moss@ethisphere.com), Nicole Galli Nicole Galli at (215) -525-9583 or [ndgalli@ndgallilaw.com](mailto:ndgalli@ndgallilaw.com) or Susan Houchins at Licensing Executive Society (703)-234-4059 or [shouchins@virtualinc.com](mailto:shouchins@virtualinc.com). Join us today!

### ANSI Accredited Standards Developer

#### SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).



# American National Standards (ANS) Announcements

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## Corrections

### American Society of Agricultural and Biological Engineers (ASABE)

#### Developer Contact Information

In the November 27, 2020 Standards Action listing of Standards Developers, the ASABE contact phone number provided is only being used during the COVID 19 pandemic in relation to those standards notifications. ASABE's official contact phone number for inquiries is: (269) 429-0300

## Corrections

### Association of Public-Safety Communications Officials-International (APCO)

#### Change in Designation & Title of Proposed ANS

The (PINS) Project Initiation Notification published in 9/15/2017 Standards Action as "BSR/APCO 3.111.1-202x, Core Competencies and Minimum Training Standards for the Public Safety Crisis Intervention Telecommunicator" has been changed to "BSR/APCO 1.120.1-202x, Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators" Inquiries may be directed to Megan Bixler, [Bixlerm@apcointl.org](mailto:Bixlerm@apcointl.org)

## Corrections

### Health Level Seven (HL7)

#### Project Intent Approved as a Reaffirmation

A Health Level Seven (HL7) call for comment notice mistakenly identified the project intent as as a revision for the proposal entitled, "HL7 Version 3 Standard: Refinement, Constraint and Localization to Version 3 Messages, Release 2". The project intent should have read as a (reaffirmation of ANSI/HL7 V3 RCL R2-2007 (R2015)). Notice of Approval for this ANS appears in the Final Actions section of this issue of Standards Action. Please direct inquiries to Karen Van Hentenryck; [Karenvan@HL7.org](mailto:Karenvan@HL7.org).

# Accreditation Announcements (Standards Developers)

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## **Approval of Reaccreditation – ASD**

### **AWI (Architectural Woodwork Institute)**

**Effective November 25, 2020**

The reaccreditation of the Architectural Woodwork Institute (AWI), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on AWI-sponsored American National Standards, effective November 25, 2020. For additional information, please contact: Mr. Hunter Morrison, Technical Director, Architectural Woodwork Institute, 46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874; phone: 229.389.2543; email: [hunter@awinet.org](mailto:hunter@awinet.org)

## **Approval of Reaccreditation – ASD**

### **SPRI (Single Ply Roofing Industry)**

**Effective November 25, 2020**

The reaccreditation of the Single Ply Roofing Industry (SPRI), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on SPRI-sponsored American National Standards, effective November 25, 2020. For additional information, please contact: Ms. Linda King, Managing Director, SPRI, 465 Waverley Oaks Road, Suite 421, Waltham, MA 02452; phone: 781.647.7026; email: [info@spri.org](mailto:info@spri.org)

# Meeting Notices (Standards Developers)

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## **ANSI Accredited Standards Developer**

### **American Society of Safety Professionals (ASSP)**

#### **Virtual Meeting: February 2-3, 2021**

American Society of Safety Professionals (ASSP) – ANSI Z16 Committee. The American Society of Safety Professionals (ASSP) is the secretariat for ANSI Z16 Committee for Safety and Health Metrics and Performance Measures. The next Z16 meeting will take place virtually on February 2-3, 2021. Those interested in participating can contact ASSP for additional information at [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.org).

# American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://www.ansi.org)) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is [www.ansi.org/asd](http://www.ansi.org/asd) and here are some direct links as well as highlights of information that is available:

## Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website ([www.ansi.org](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): [www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): [www.ansi.org/standardsaction](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS): [www.ansi.org/sdoaccreditation](http://www.ansi.org/sdoaccreditation)
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): [www.ansi.org/asd](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: [www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps: [www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value: [www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: [www.standardslearn.org](http://www.standardslearn.org)

If you have a question about the ANS process and cannot find the answer, please email us at: [psa@ansi.org](mailto:psa@ansi.org) . Please also visit Standards Boost Business at [www.standardsboostbusiness.org](http://www.standardsboostbusiness.org) for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit <https://webstore.ansi.org>

# American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

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- **AAMI (Association for the Advancement of Medical Instrumentation)**
  - **AARST (American Association of Radon Scientists and Technologists)**
  - **AGA (American Gas Association)**
  - **AGSC (Auto Glass Safety Council)**
  - **ASC X9 (Accredited Standards Committee X9, Incorporated)**
  - **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
  - **ASME (American Society of Mechanical Engineers)**
  - **ASTM (ASTM International)**
  - **GBI (Green Building Initiative)**
  - **HL7 (Health Level Seven)**
  - **IES (Illuminating Engineering Society)**
  - **ITI (InterNational Committee for Information Technology Standards)**
  - **MHI (Material Handling Industry)**
  - **NAHBRC (NAHB Research Center, Inc.)**
  - **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
  - **NCPDP (National Council for Prescription Drug Programs)**
  - **NEMA (National Electrical Manufacturers Association)**
  - **NISO (National Information Standards Organization)**
  - **NSF (NSF International)**
  - **PRCA (Professional Ropes Course Association)**
  - **RESNET (Residential Energy Services Network, Inc.)**
  - **SAE (SAE International)**
  - **TCNA (Tile Council of North America)**
  - **TIA (Telecommunications Industry Association)**
  - **UL (Underwriters Laboratories)**

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at [www.ansi.org/asd](http://www.ansi.org/asd), select "American National Standards Maintained Under Continuous Maintenance." Questions? [psa@ansi.org](mailto:psa@ansi.org).

# ANSI-Accredited Standards Developers Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at [standact@ansi.org](mailto:standact@ansi.org).

## AAFS

American Academy of Forensic Sciences  
410 North 21st Street  
Colorado Springs, CO 80904  
p: (719) 453-1036  
[www.aafs.org](http://www.aafs.org)

## AAMI

Association for the Advancement of Medical Instrumentation  
901 N. Glebe Road  
Suite 300  
Arlington, VA 22203  
p: (703) 253-8263  
[www.aami.org](http://www.aami.org)

## ABMA (ASC B3)

American Bearing Manufacturers Association  
1001 N. Fairfax Street  
Suite 500  
Alexandria, VA 22314  
p: (703) 838-0053  
[www.americanbearings.org](http://www.americanbearings.org)

## ABYC

American Boat and Yacht Council  
613 Third Street  
Suite 10  
Annapolis, MD 21403  
p: (410) 990-4460  
[www.abycinc.org](http://www.abycinc.org)

## ADA (Organization)

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611-2678  
p: (312) 587-4129  
[www.ada.org](http://www.ada.org)

## AGMA

American Gear Manufacturers Association  
1001 N Fairfax Street  
5th Floor  
Alexandria, VA 22314-1587  
p: (703) 684-0211  
[www.agma.org](http://www.agma.org)

## ASA (ASC S1)

Acoustical Society of America  
1305 Walt Whitman Road  
Suite 300  
Melville, NY 11747  
p: (516) 576-2341  
[www.acousticalsociety.org](http://www.acousticalsociety.org)

## ASABE

American Society of Agricultural and Biological Engineers  
2950 Niles Road  
Saint Joseph, MI 49085  
p: (269) 757-1213  
<https://www.asabe.org/>

## ASC X9

Accredited Standards Committee X9, Incorporated  
275 West Street  
Suite 107  
Annapolis, MD 21401  
p: (410) 267-7707  
[www.x9.org](http://www.x9.org)

## ASCE

American Society of Civil Engineers  
1801 Alexander Bell Dr  
Reston, VA 20191  
p: (703) 295-6176  
[www.asce.org](http://www.asce.org)

## ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.  
1791 Tullie Circle, NE  
Atlanta, GA 30329  
p: (404) 636-8400  
[www.ashrae.org](http://www.ashrae.org)

## ASQ

American Society for Quality  
600 N Plankinton Ave  
Milwaukee, WI 53203  
p: (414) 272-8575  
[www.asq.org](http://www.asq.org)

## ASSP (ASC A10)

American Society of Safety Professionals  
520 N. Northwest Hwy.  
Park Ridge, IL 60068  
p: (847) 768-3475  
[www.assp.org](http://www.assp.org)

## ASSP (Safety)

American Society of Safety Professionals  
520 N. Northwest Highway  
Park Ridge, IL 60068  
p: (847) 768-3408  
[www.assp.org](http://www.assp.org)

## AWPA (ASC 05)

American Wood Protection Association  
P.O. Box 361784  
Birmingham, AL 35236-1784  
p: (205) 733-4077  
[www.awpa.com](http://www.awpa.com)

**AWS**

American Welding Society  
8669 NW 36th Street  
Suite 130  
Miami, FL 33166-6672  
p: (305) 443-9353  
[www.aws.org](http://www.aws.org)

**BHCOE**

Behavioral Health Center of  
Excellence  
7083 Hollywood Boulevard  
#565  
Los Angeles, CA 90028  
p: (310) 627-2746 1001  
[www.bhcoe.org](http://www.bhcoe.org)

**CSA**

CSA America Standards Inc.  
8501 E. Pleasant Valley Road  
Cleveland, OH 44131  
p: (216) 524-4990  
[www.csagroup.org](http://www.csagroup.org)

**ECIA**

Electronic Components Industry  
Association  
13873 Park Center Road  
Suite 315  
Herndon, VA 20171  
p: (571) 323-0294  
[www.ecianow.org](http://www.ecianow.org)

**FCI**

Fluid Controls Institute  
1300 Sumner Avenue  
Cleveland, OH 44115  
p: (216) 241-7333  
[www.fluidcontrolsinstitute.org](http://www.fluidcontrolsinstitute.org)

**HL7**

Health Level Seven  
3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104  
p: (313) 550-2073 104  
[www.hl7.org](http://www.hl7.org)

**IAPMO (Z)**

International Association of Plumbing  
& Mechanical Officials  
5001 East Philadelphia Street  
Ontario, CA 91761  
p: (909) 230-5534  
<https://www.iapmostandards.org>

**IEEE (ASC C63)**

Institute of Electrical and Electronics  
Engineers  
445 Hoes Lane  
Piscataway, NJ 08854  
p: (732) 562-3874  
[www.ieee.org](http://www.ieee.org)

**NECA**

National Electrical Contractors  
Association  
1201 Pennsylvania Avenue  
Suite 1200  
Washington, DC 20004  
p: (202) 991-6252  
[www.neca-neis.org](http://www.neca-neis.org)

**NEMA (ASC C137)**

National Electrical Manufacturers  
Association  
1300 N 17th St Suite 900  
Rosslyn, VA 22209  
p: (703) 841-3262  
[www.nema.org](http://www.nema.org)

**NEMA (ASC C8)**

National Electrical Manufacturers  
Association  
1300 North 17th Street  
Rosslyn, VA 22209  
p: (703) 841-3278  
[www.nema.org](http://www.nema.org)

**NFPA**

National Fire Protection Association  
One Batterymarch Park  
Quincy, MA 02269-9101  
p: (617) 984-7248  
[www.nfpa.org](http://www.nfpa.org)

**NSF**

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105-9723  
p: (734) 418-6660  
[www.nsf.org](http://www.nsf.org)

**SCTE**

Society of Cable Telecommunications  
Engineers  
140 Philips Rd  
Exton, PA 19341  
p: (800) 542-5040  
[www.scte.org](http://www.scte.org)

**SDI (Canvass)**

Steel Deck Institute  
1731 NW 6th Street  
Suite D  
Gainesville, FL 32609  
p: (352) 378-0448  
[www.sdi.org](http://www.sdi.org)

**UL**

Underwriters Laboratories  
333 Pfingsten Road  
Northbrook, IL 60062-2096  
p: (847) 664-1725  
<https://ul.org/>



# ISO & IEC Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

## COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

## ORDERING INSTRUCTIONS

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

## ISO Standards

### FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 22862.2, Fertilizers and soil conditioners - Compound fertilizer - General requirements - 1/15/2021, \$46.00

### FLUID POWER SYSTEMS (TC 131)

ISO/DIS 23840, Water hydraulics - Water-hydraulic pumps - Methods of testing and representing basic steady-state performance - 2/11/2021, \$67.00

### GEARS (TC 60)

ISO/DIS 10825-1, Gears - Wear and damage to gear teeth - Terminology - 2/14/2021, \$134.00

### HEALTH INFORMATICS (TC 215)

IEC/DIS 62304.3,, \$155.00

### INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 6798-3, Reciprocating internal combustion engines - Measurement of sound power level using sound pressure - Part 3: Survey method for use in situ - 2/12/2021, \$67.00

### LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)

ISO/DIS 4787, Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use - 2/15/2021, \$82.00

### PLASTICS (TC 61)

ISO/DIS 3146, Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods - 2/14/2021, \$53.00

### ROAD VEHICLES (TC 22)

ISO/DIS 21448, Road vehicles - Safety of the intended functionality - 2/13/2021, \$185.00

### TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 12620-2, Management of terminology resources - Data categories - Part 2: Repositories - 2/13/2021, \$46.00

### TEXTILES (TC 38)

ISO/DIS 2076, Textiles - Man-made fibres - Generic names - 2/13/2021, \$88.00

### TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 3739-2, Industrial tyres and rims - Part 2: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims - Load ratings - 2/11/2021, \$33.00

ISO/DIS 3739-3, Industrial tyres and rims - Part 3: Rims - 2/11/2021, \$53.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 13818-1/DAmD3, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 3: Carriage of layered HEVC - 11/3/2002, \$82.00

ISO/IEC 14496-12/DAmD1, Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 1: DRC Extensions - Amendment 1: Support for new media types (haptics, volumetric visual) and other improvements - 2/13/2021, \$46.00

ISO/IEC 23001-14/DAmD1, Information technology - MPEG systems technologies - Part 14: Partial file format - Amendment 1: Support for HTTP entities, enhanced file type and byte-range priorities - 2/14/2021, \$29.00

ISO/IEC DIS 5965, Information technology - Swordfish Scalable Storage Management API Specification - 2/13/2021, \$194.00



ISO/IEC DIS 15946-5, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation - 2/14/2021, \$102.00

ISO/IEC DIS 23093-3, Information technology - Internet of media things - Part 3: Media data formats and APIs - 2/12/2021, \$269.00

ISO/IEC DIS 23094-4, Information technology - General video coding - Part 4: Conformance and Reference software for Essential Video Coding - 2/8/2021, \$102.00

ISO/IEC DIS 15938-17, Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis - 2/14/2021, \$146.00

ISO/IEC DIS 21000-22, Information technology - Multimedia framework (MPEG-21) - Part 22: User Description - 2/13/2021, \$203.00

ISO/IEC DIS 23001-16, Information technology - MPEG systems technologies - Part 16: Derived visual tracks in the ISO base media file format - 2/14/2021, \$71.00

ISO/IEC/IEEE DIS 14764, Software engineering - Software life cycle processes - Maintenance - 2/14/2021, \$107.00

## IEC Standards

2/2032/CD, IEC TS 60034-25 ED4: Rotating electrical machines - Part 25: AC electrical machines used in power drive systems - Application guide, 02/19/2021

3/1463/CDV, IEC 81346-1 ED2: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules, 02/19/2021

20/1942/DTS, IEC TS 62893-4-2 ED1: Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 4-2: Cables for DC charging according to mode 4 of IEC 61851-1 intended to be used with a thermal management system, 02/19/2021

22G/431/FDIS, IEC 61800-5-3 ED1: Adjustable speed electrical power drive systems - Part 5-3: Safety requirements - Functional, electrical and environmental requirements for encoders, 01/08/2021

23E/1218/CD, IEC 62873-3-3 ED2: Residual current operated circuit-breakers for household and similar use - Part 3-3: Specific requirements for RCDs with screw-type terminals for external untreated aluminium conductors and with aluminium screw-type terminals for use with copper or with aluminium conductors, 02/19/2021

23E/1219/CD, IEC 61008-2-1 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's). Part 2-1: RCCBs according to 4.1.1, 02/19/2021

23E/1220/CD, IEC 61008-2-2 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - Part 2-2: RCCBs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 02/19/2021

23E/1221/CD, IEC 61009-2-1 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-1: RCBOs according to 4.1.1, 02/19/2021

23E/1222/CD, IEC 61009-2-2 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-2: RCBOs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 02/19/2021

23E/1223/CD, IEC 61008-1 ED4: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules, 02/19/2021

23E/1224/CD, IEC 61009-1 ED4: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, 02/19/2021

23E/1225/CD, IEC 61540 ED2: Electrical accessories - Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs), 02/19/2021

31/1562/FDIS, IEC 60079-26 ED4: Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection, 01/08/2021

44/884/CDV, IEC 60204-1/AMD1 ED6: Amendment 1 - Safety of machinery - Electrical equipment of machines - Part 1: General requirements, 02/19/2021

45/913/FDIS, IEC 62372 ED2: Nuclear instrumentation - Housed scintillators - Test methods of light output and intrinsic resolution, 01/08/2021

47/2661(F)/CDV, IEC 60749-28 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - Device level, 02/12/2021

47/2668(F)/FDIS, IEC 62830-5 ED1: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 5: Test method for measuring generated power from flexible thermoelectric devices, 12/11/2020

57/2311(F)/FDIS, IEC 61968-13 ED2: Application integration at electric utilities - System interfaces for distribution management - Part 13: Common distribution power system model profiles, 12/11/2020

62A/1419/CDV, IEC 81001-5-1 ED1: Health Software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product lifecycle, 02/19/2021

62C/797/CD, IEC 61675-1 ED3: Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs, 02/19/2021

65B/1189/FDIS, IEC 60584-3 ED3: Thermocouples - Part 3: Extension and compensating cables - Tolerances and identification system, 01/08/2021

65E/762(F)/FDIS, IEC 62769-5 ED2: Field Device Integration (FDI) - Part 5: FDI Information Model, 12/18/2020

65E/765(F)/FDIS, IEC 62769-150-1 ED1: Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS, 12/18/2020

77C/301/CDV, IEC 61000-2-10 ED2: Electromagnetic compatibility (EMC) - Part 2-10: Environment - Description of HEMP environment - Conducted disturbance, 02/19/2021

82/1822/CD, IEC 60904-5/AMD1 ED2: Amendment 1 - Photovoltaic devices - Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method, 02/19/2021

86B/4389/CD, IEC 61753-053-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 053-02: Non-connectorized single-mode fibre, electrically controlled, variable optical attenuator for category C - Controlled environments, 02/19/2021

86B/4390/CD, IEC 61753-081-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments, 02/19/2021

86B/4391/CD, IEC 61753-089-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 089-02: Non-connectorized single-mode bidirectional OTDR monitoring WWDM devices for category C - Controlled environment, 02/19/2021

86B/4392/CD, IEC 61753-091-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 091-02: Non-connectorized single-mode fibre optic pigtailed circulators for category C - Controlled environments, 02/19/2021

86B/4393/CD, IEC 62077 ED4: Fibre optic interconnecting devices and passive components - Fibre optic circulators - Generic specification, 02/19/2021

101/615/DTS, IEC TS 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 02/19/2021

119/337/CD, IEC 62899-301-3 ED1: Printed Electronics - Part 301-3: Equipment - Contact printing - Rigid master - Measurement method of printing plate roller shape errors, 02/19/2021

119/338/CD, IEC 62899-506-1 ED1: Printed electronics - Part 506-1: Quality assessment - Accelerated stress test of printed heating element, 02/19/2021

119/339/NP, PNW 119-339 ED1: IEC 62899-202-10 ED1 Printed Electronics - Part 202-10: Materials - Resistance measurement method on thermoformed conducting layer, 02/19/2021

119/340/NP, PNW 119-340 ED1: IEC 62899-302-4 ED1 Printed Electronics - Part 302-4: Equipment - Inkjet - Media for inkjet printing drop position evaluation for printed electronics, 02/19/2021

122/109/DTS, IEC TS 63042-102 ED1: UHV AC transmission systems - Part 102: General system design, 02/19/2021

124/119/DTR, IEC TR 63203-250-1 ED1: Wearable electronic devices and technologies - Part 250-1: Electronic Textile - Snap fastener connectors between e-textile and detachable electronic devices, 01/22/2021

JTC1-SC25/2991/CD, ISO/IEC 11801-1/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 1: General requirements, 01/22/2021

JTC1-SC25/2992/CD, ISO/IEC 14763-3 ED3: Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling, 01/22/2021

JTC1-SC41/191/CD, ISO/IEC TR 30174 ED1: Internet of Things (IoT) - Socialized IoT system resembling human social interaction dynamics, 01/22/2021

2/2032/CD, IEC TS 60034-25 ED4: Rotating electrical machines - Part 25: AC electrical machines used in power drive systems - Application guide, 02/19/2021

3/1463/CDV, IEC 81346-1 ED2: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules, 02/19/2021

20/1942/DTS, IEC TS 62893-4-2 ED1: Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 4-2: Cables for DC charging according to mode 4 of IEC 61851-1 intended to be used with a thermal management system, 02/19/2021

22G/431/FDIS, IEC 61800-5-3 ED1: Adjustable speed electrical power drive systems - Part 5-3: Safety requirements - Functional, electrical and environmental requirements for encoders, 01/08/2021

23E/1218/CD, IEC 62873-3-3 ED2: Residual current operated circuit-breakers for household and similar use - Part 3-3: Specific requirements for RCDs with screw-type terminals for external untreated aluminium conductors and with aluminium screw-type terminals for use with copper or with aluminium conductors, 02/19/2021

23E/1219/CD, IEC 61008-2-1 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's). Part 2-1: RCCBs according to 4.1.1, 02/19/2021

23E/1220/CD, IEC 61008-2-2 ED2: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - Part 2-2: RCCBs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 02/19/2021

- 23E/1221/CD, IEC 61009-2-1 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-1: RCBOs according to 4.1.1, 02/19/2021
- 23E/1222/CD, IEC 61009-2-2 ED2: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-2: RCBOs according to 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, 02/19/2021
- 23E/1223/CD, IEC 61008-1 ED4: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules, 02/19/2021
- 23E/1224/CD, IEC 61009-1 ED4: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, 02/19/2021
- 23E/1225/CD, IEC 61540 ED2: Electrical accessories - Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs), 02/19/2021
- 31/1562/FDIS, IEC 60079-26 ED4: Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection, 01/08/2021
- 44/884/CDV, IEC 60204-1/AMD1 ED6: Amendment 1 - Safety of machinery - Electrical equipment of machines - Part 1: General requirements, 02/19/2021
- 45/913/FDIS, IEC 62372 ED2: Nuclear instrumentation - Housed scintillators - Test methods of light output and intrinsic resolution, 01/08/2021
- 47/2661(F)/CDV, IEC 60749-28 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - Device level, 02/12/2021
- 47/2668(F)/FDIS, IEC 62830-5 ED1: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 5: Test method for measuring generated power from flexible thermoelectric devices, 12/11/2020
- 57/2311(F)/FDIS, IEC 61968-13 ED2: Application integration at electric utilities - System interfaces for distribution management - Part 13: Common distribution power system model profiles, 12/11/2020
- 62A/1419/CDV, IEC 81001-5-1 ED1: Health Software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product lifecycle, 02/19/2021
- 62C/797/CD, IEC 61675-1 ED3: Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs, 02/19/2021
- 65B/1189/FDIS, IEC 60584-3 ED3: Thermocouples - Part 3: Extension and compensating cables - Tolerances and identification system, 01/08/2021
- 65E/762(F)/FDIS, IEC 62769-5 ED2: Field Device Integration (FDI) - Part 5: FDI Information Model, 12/18/2020
- 65E/765(F)/FDIS, IEC 62769-150-1 ED1: Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS, 12/18/2020
- 77C/301/CDV, IEC 61000-2-10 ED2: Electromagnetic compatibility (EMC) - Part 2-10: Environment - Description of HEMP environment - Conducted disturbance, 02/19/2021
- 82/1822/CD, IEC 60904-5/AMD1 ED2: Amendment 1 - Photovoltaic devices - Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method, 02/19/2021
- 86B/4389/CD, IEC 61753-053-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 053-02: Non-connectorized single-mode fibre, electrically controlled, variable optical attenuator for category C - Controlled environments, 02/19/2021
- 86B/4390/CD, IEC 61753-081-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments, 02/19/2021
- 86B/4391/CD, IEC 61753-089-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 089-02: Non-connectorized single-mode bidirectional OTDR monitoring WWDM devices for category C - Controlled environment, 02/19/2021
- 86B/4392/CD, IEC 61753-091-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 091-02: Non-connectorized single-mode fibre optic pigtailed circulators for category C - Controlled environments, 02/19/2021
- 86B/4393/CD, IEC 62077 ED4: Fibre optic interconnecting devices and passive components - Fibre optic circulators - Generic specification, 02/19/2021
- 101/615/DTS, IEC TS 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 02/19/2021
- 119/337/CD, IEC 62899-301-3 ED1: Printed Electronics - Part 301-3: Equipment - Contact printing - Rigid master - Measurement method of printing plate roller shape errors, 02/19/2021
- 119/338/CD, IEC 62899-506-1 ED1: Printed electronics - Part 506-1: Quality assessment - Accelerated stress test of printed heating element, 02/19/2021
- 119/339/NP, PNW 119-339 ED1: IEC 62899-202-10 ED1 Printed Electronics Part 202-10: Materials - Resistance measurement method on thermoformed conducting layer, 02/19/2021
- 119/340/NP, PNW 119-340 ED1: IEC 62899-302-4 ED1 Printed Electronics - Part 302-4: Equipment - Inkjet - Media for inkjet printing drop position evaluation for printed electronics, 02/19/2021
- 122/109/DTS, IEC TS 63042-102 ED1: UHV AC transmission systems - Part 102: General system design, 02/19/2021

124/119/DTR, IEC TR 63203-250-1 ED1: Wearable electronic devices and technologies - Part 250-1: Electronic Textile - Snap fastener connectors between e-textile and detachable electronic devices, 01/22/2021

JTC1-SC25/2991/CD, ISO/IEC 11801-1/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 1: General requirements, 01/22/2021

JTC1-SC25/2992/CD, ISO/IEC 14763-3 ED3: Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling, 01/22/2021

JTC1-SC41/191/CD, ISO/IEC TR 30174 ED1: Internet of Things (IoT) - Socialized IoT system resembling human social interaction dynamics, 01/22/2021



# Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ACOUSTICS (TC 43)

ISO 6926/Amd1:2020, Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels - Amendment 1, \$19.00

## FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO 22887:2020, Determination of total sulfur in fertilizers by high temperature combustion, \$68.00

## GAS CYLINDERS (TC 58)

ISO 11119-1:2020, Gas cylinders - Design, construction and testing of refillable composite gas cylinders and tubes - Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l, \$185.00

ISO 11119-2:2020, Gas cylinders - Design, construction and testing of refillable composite gas cylinders and tubes - Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners, \$185.00

ISO 11119-3:2020, Gas cylinders - Design, construction and testing of refillable composite gas cylinders and tubes - Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners, \$185.00

## GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19115-1/Amd2:2020, Geographic information - Metadata - Part 1: Fundamentals - Amendment 2, \$19.00

## GRAPHIC TECHNOLOGY (TC 130)

ISO 15930-9:2020, Graphic technology - Prepress digital data exchange using PDF - Part 9: Complete exchange of printing data (PDF/X-6) and partial exchange of printing data with external profile reference (PDF/X-6p and PDF/X-6n) using PDF 2.0, \$138.00

## HEALTH INFORMATICS (TC 215)

ISO 21860:2020, Health Informatics - Reference standards portfolio (RSP) - Clinical imaging, \$209.00

## INNOVATION MANAGEMENT (TC 279)

ISO 56005:2020, Innovation management - Tools and methods for intellectual property management - Guidance, \$162.00

## NUCLEAR ENERGY (TC 85)

ISO 12749-6:2020, Nuclear energy, nuclear technologies, and radiological protection - Vocabulary - Part 6: Nuclear medicine, \$45.00

## PLASTICS (TC 61)

ISO 9772:2020, Cellular plastics - Determination of horizontal burning characteristics of small specimens subjected to a small flame, \$103.00

## PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 15875-2/Amd2:2020, Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 2: Pipes - Amendment 2, \$19.00

ISO 15877-5/Amd2:2020, Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system - Amendment 2, \$19.00

ISO 22391-2/Amd1:2020, Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes - Amendment 1, \$19.00

## RAILWAY APPLICATIONS (TC 269)

ISO 12856-2:2020, Railway applications - Polymeric composite sleepers, bearers and transoms - Part 2: Product testing, \$185.00

## REFRIGERATION (TC 86)

ISO 22043:2020, Ice-cream freezers - Classification, requirements and test conditions, \$185.00

## SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21716-1:2020, Ships and marine technology - Bioassay methods for screening anti-fouling paints - Part 1: General requirements, \$68.00

ISO 21716-2:2020, Ships and marine technology - Bioassay methods for screening anti-fouling paints - Part 2: Barnacles, \$162.00

ISO 21716-3:2020, Ships and marine technology - Bioassay methods for screening anti-fouling paints - Part 3: Mussels, \$138.00

## SMALL TOOLS (TC 29)

ISO 26623-1:2020, Polygonal taper interface with flange contact surface - Part 1: Dimensions and designation of shanks, \$103.00

**SOLID RECOVERED FUELS (TC 300)**

ISO 21663:2020, Solid recovered fuels - Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method, \$68.00

**TEXTILES (TC 38)**

ISO 1833-3:2020, Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate with certain other fibres (method using acetone), \$45.00

**TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

ISO 18561-1:2020, Intelligent transport systems (ITS) - Urban mobility applications via nomadic device for green transport management - Part 1: General requirements for data exchange between ITS stations, \$103.00

ISO 20524-2:2020, Intelligent transport systems - Geographic Data Files (GDF) GDF5.1 - Part 2: Map data used in automated driving systems, Cooperative ITS, and multi-modal transport, \$232.00

**WOOD-BASED PANELS (TC 89)**

ISO 18775:2020, Veneers - Terms and definitions, determination of physical characteristics and tolerances, \$138.00

**ISO Technical Reports****TEXTILES (TC 38)**

ISO/TR 23383:2020, Textiles and textile products - Smart (Intelligent) textiles - Definitions, categorisation, applications and standardization needs, \$138.00

**ISO Technical Specifications****PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)**

ISO/TS 21354:2020, Measurement of multiphase fluid flow, \$232.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC 10373-6/Amd2:2020, Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects - Amendment 2: Enhancements for harmonization, \$19.00

ISO/IEC 23008-12/Amd1:2020, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format - Amendment 1: Support for predictive image coding, bursts, bracketing and other improvements, \$68.00

ISO/IEC 19772:2020, Information security - Authenticated encryption, \$138.00

ISO/IEC 24643:2020, Architecture for a distributed real-time access system, \$103.00

ISO/IEC 23092-5:2020, Information technology - Genomic information representation - Part 5: Conformance, \$138.00

**ISO/IEC JTC 1 Technical Reports**

ISO/IEC TR 15944-14:2020, Information technology - Business operational view - Part 14: Open-edi reference model and cloud computing architecture, \$185.00

ISO/IEC TR 29119-11:2020, Software and systems engineering - Software testing - Part 11: Guidelines on the testing of AI-based systems, \$209.00

# Accreditation Announcements (U.S. TAGs to ISO)

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## **Public Review of Application for Accreditation of a U.S. TAG to ISO**

### **U.S. Technical Advisory Group (TAG) to ISO TC 59, Buildings and civil engineering works**

**Comment Deadline: January 4, 2021**

The International Code Council (ICC), an ANSI Member and Accredited Standards Developer (ASD), has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 59, Buildings and civil engineering works, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Ms. Judy Zakreski, Vice President of Global Services, International Code Council, 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001; phone: 202.730.3978; email: [jzakreski@ICCSafe.ORG](mailto:jzakreski@ICCSafe.ORG). Please submit your comments to ICC by January 4, 2021 (please copy [jthompso@ansi.org](mailto:jthompso@ansi.org))

# International Organization for Standardization (ISO)

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## Call for Comment on ISO Standard

### ISO 26000 - Guidance on Social Responsibility Activity

**Comment Deadline: January 29, 2021**

ISO standard ISO 26000, Guidance on social responsibility, has been circulated to ISO members for its systematic review to determine whether the standard should be revised, reconfirmed, or withdrawn.

ISO 26000, last confirmed in November 2010, is intended to help organizations effectively assess and address social responsibilities that are relevant and significant to their mission and vision; operations and processes; customers, employees, communities, and other stakeholders; and environmental impact. ISO 26000 provides detailed guidance for organizations that are willing to implement the OECD Guidelines but is not meant for ISO certification.

ANSI is seeking U.S. Stakeholders' input on ISO 26000 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO 26000 can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, January 29, 2021.

## Call for U.S. TAG Administrator

### ISO/TC 155 – Nickel and nickel alloys

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 155, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 155 operates under the following scope:

Standardization in the field of nickel and nickel alloys including terminology, specifications and methods of sampling, testing and analysis.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).



# International Organization for Standardization (ISO)

## ISO Proposal for a New Field of ISO Technical Activity

### Consumer product safety management

**Comment Deadline: December 11, 2020**

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on consumer product safety management, with the following scope statement:

Standardization in the field of consumer product safety management to develop terminology, requirements, principles, framework, guidance, testing methods and supporting tools, for all relevant organizations, on and to support activities such as risk evaluation, safety early-warning and traceability, intelligent regulatory technology, safety control for emerging consumer products, safety management of the consumer products for specific population groups.

Excluded:

1. Quality management and quality assurance covered by ISO/TC 176.
2. Risk management for organizations covered by ISO/TC 262.
3. Standardization in the field of security to enhance the safety and resilience of society covered by ISO/TC 292.
4. Ageing societies covered by ISO/TC 314.
5. Inclusive service to consumers in vulnerable situations covered by ISO/PC 311.
6. Standardization in the field of consumer incident investigation covered by ISO/PC 329.

Note: According to the relevant laws, regulations and standards on consumer products in the world, consumer products do not include food, agricultural products, drugs, cosmetics, special equipment, tobacco, medical equipment, motor vehicles, military, aviation, large transport vehicles and other products. The category of consumer products in this new proposed TC is the same as above.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 11, 2020.

# US Participation in International Standards Development

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## Call for Participation/Experts

### Opportunity for experts to participate in INCITS/Artificial Intelligence Technical Committee

Artificial intelligence (AI) is currently a much talked-about technology and holds much promise. AI is already used in many products and services, e.g., in healthcare, online fraud protection, predictive analytics, recommendation engines, and many other areas. In fact, almost every segment is expected to be impacted by AI. While AI brings many benefits, it also raises concerns, for instance regarding data privacy, unintended bias and ethical and societal concerns of people who use or come into contact with such technologies, or whose personal data may be used by these systems. Created under the auspices of ISO/IEC JTC 1, the information technology arm of ISO and the IEC, subcommittee SC 42, Artificial intelligence, is the only standards body looking at AI holistically.

INCITS/AI, the US Technical Advisory Group to ISO/IEC JTC 1/SC 42 on Artificial Intelligence, represents US interests in the development of international standards. It was established in 2018, in response to international standardization needs. Last month, SC42 had its sixth plenary and INCITS/AI facilitated the participation of US delegates.

There are now over 20 projects currently under development. These include:

- ISO/IEC 22989, Artificial intelligence - Concepts and terminology
- ISO/IEC 23053, Framework for Artificial intelligence (AI) systems using machine learning (ML)
- ISO/IEC 42001, Information technology – Artificial intelligence – Management system:
- ISO/IEC 24668, Information technology – Artificial intelligence – Process management
- framework big data analytics
- ISO/IEC 5259-1, Data quality for analytics and ML — Part 1: Overview, terminology, and examples
- ISO/IEC 5259-3, Data quality for analytics and ML — Part 3: Data Quality Management Requirements and

#### Guidelines

- ISO/IEC 5259-4, Data quality for analytics and ML — Part 4: Data quality process framework
- ISO/IEC TR 24027 Information technology — Artificial intelligence (AI) — Bias in AI
- systems and AI aided decision making
- ISO/IEC 5338, Information technology – Artificial intelligence – AI system life cycle processes

Additionally, a new Technical Report (ISO/IEC TR 24028: 2020) was recently published and provides an overview of topics relevant to building trustworthiness of AI systems. One of its aims is to assist the standards community in identifying specific standardization gaps in AI.

To learn more about membership in INCITS/AI, visit <http://www.incits.org/participation/membership-info> or contact Lynn Barra at [lbarra@itic.org](mailto:lbarra@itic.org).

# US Participation in International Standards Development Activities

## Call for Participation/Experts

### Opportunity for experts to participate in INCITS/Cyber Security Technical Committee

The INCITS/Cyber Security Technical Committee represents the US in the development of International Standards within ISO/IEC JTC 1/Subcommittee 27 (SC 27) Information security, cybersecurity, and privacy protection as well as all SC 27 Working Groups. In general, work in the US coincides closely with that of SC 27 and encompasses generic methods, techniques and guidelines to address both security and privacy aspects, such as :

- Security requirements capture methodology;
- Management of information and ICT security; in particular information security management system (ISMS) standards, security processes, security controls and services;
- Cryptographic and other security mechanisms, including but not limited to mechanisms for protecting the accountability, availability, integrity and confidentiality of information;
- Security management support documentation including terminology, guidelines as well as procedures for the registration of security components;
- Security aspects of identity management, biometrics and privacy;
- Conformance assessment, accreditation and auditing requirements in the area of information security management systems;
- Security evaluation criteria and methodology.

Now is a great opportunity to join the committee whose member organizations are from the US industry, government, and academia. See what is under development and understand what it means to your organization. Collaborate with your peers both here in the US as well as in the international arena to address security and privacy concerns and issues. Champion and lead new standards that address current and future security and privacy needs. There are currently about 200 published standards and over 85 projects under development that include:

- Revision of ISO/IEC 27002 which is a signature standard in the ISO/IEC 27000 family that gives guidelines for organizational information security standards and information security management practices as well as exploring machine readable versions of the standard
- New cryptographic standards to address fully Homomorphic encryption, format preserving encryption, and quantum-resilient algorithms
- Revision of the multi-part ISO/IEC 27036 supply chain security standard
- Exploring the use of the new ISO/IEC 15408 (Common Criteria for Information Technology Security Evaluation) with complex systems as well as with cloud computing
- Security and privacy standards for IoT
- New privacy guidelines for fintech services
- Exploring the impact of artificial intelligence (AI) on security and privacy

INCITS/Cyber Security meetings are typically held no more than once a month with virtual access as an option.

Participation can range from simple monitoring of the activities to full technical engagement with contributions and comments on draft standards. In the case of the latter, standing ad hoc groups have been established to facilitate technical dialogue and collaboration. In addition, all members are eligible to attend the SC 27 international meetings.

To learn more about membership in INCITS/CS1, visit <http://www.incits.org/participation/membership-info> or contact Lynn Barra at [lbarra@itic.org](mailto:lbarra@itic.org).

# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at: <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point> Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Registration of Organization Names in the United States

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The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

### DISH Wireless

#### Comments Deadline: February 12, 2021

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

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[Note – the recommended changes to the standards which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **grey highlighting**. Rationale Statements are in *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

## NSF International Standard / American National Standard –

# Air Curtain for Entrancesways for Food and Food Service Establishments

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### 3 Definitions

Terms used in this Standard that have special technical meaning are defined in NSF/ANSI 170.

~~3.1 air curtain:~~ A device that delivers a vertical stream of air across an opening for the purpose of keeping tempered air from moving out of the building and insects from moving into the building.

~~3.2 air curtain protected openings:~~

~~3.2.1 customer entry:~~ Exterior passage for entrance into an establishment primarily intended for customers

~~3.2.2 service entry:~~ an exterior passage for entrance into an establishment primarily intended for employees and the delivery of supplies.

~~3.2.3 service window:~~ an exterior opening in the wall of an establishment primarily intended to pass finished goods to customers.

~~3.3 airstream:~~ The directed flow of air generated by an air curtain assembly.

~~3.4 airstream discharge nozzle:~~ The slot from which the airstream exits the air curtain assembly.

~~3.5 maximum effective airstream height:~~ Manufacturer specified value indicating the maximum height of the airstream in compliance with the applicable performance test protocol in section 6. This value is measured from the bottom of the airstream discharge nozzle.

~~3.6 maximum effective airstream width:~~ Manufacturer specified value indicating the maximum width of the airstream in compliance with the applicable performance test protocol in section 6.

~~3.7 Other definitions:~~ Other terms used in this Standard that have special technical meaning are defined in NSF/ANSI 170.

Tracking number 37i7r1  
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Revision to NSF/ANSI 37-2017  
Issue 7 Revision 1 (November 2020)

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***Rationale:** These definitions were approved in the 2017 publication of Standard 37 Air Curtains for Entranceways in Food and Food Service Establishments. For consistency, it was subsequently decided all definitions belong in Standard 170 Glossary of Food Equipment Terminology, and these were balloted into the 2017 publication of 170.*

*It was decided at the time to wait until the next publication to ballot these out of 37. This ballot represents that effort.*

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **grey highlighting**. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard  
For Wastewater Technology –

## Residential Wastewater Treatment Systems

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### Normative Annex 1

#### Policy for reporting and using data from censored data sets

Occasionally performance testing of systems produces analytical laboratory concentration results lower than the limits deemed reliable enough to report as a numeric value. Data sets containing values below the limit of detection for the parameter are known as ‘censored data sets.’

This policy guides the reporting and subsequent statistical analysis of such data sets. Note that the policy is to be used when the percentage of non-detect values in a data set is equal to or less than 15%.

Parameter name	Method required detection limit	Reported value
BOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
CBOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
TSS	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L

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NSF/ANSI Standard  
For Wastewater Technology –

## Residential Wastewater Treatment Systems – Nitrogen Reduction

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### Normative Annex 1

#### Policy for reporting and using data from censored data sets

Occasionally performance testing of systems produces analytical laboratory concentration results lower than the limits deemed reliable enough to report as a numeric value. Data sets containing values below the limit of detection for the parameter are known as ‘censored data sets.’

This policy guides the reporting and subsequent statistical analysis of such data sets. Note that the policy is to be used when the percentage of non-detect values in a data set is equal to or less than 15%.

Parameter name	Method required detection limit	Reported value
alkalinity	2 mg CaCO <sub>3</sub> /L detection limit	< 2 mg CaCO <sub>3</sub> /L as 1 mg/L
ammonia - N	1 mg NH <sub>3</sub> -N/L detection limit	< 1 mg NH <sub>3</sub> -N/L as 0.5 mg/L
BOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
CBOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
nitrite / nitrate - N	0.02 mg/L detection limit	< 0.02 mg/L as 0.01 mg/L
total Kjeldahl nitrogen	0.1 mg/L detection limit	< 0.1 mg/L as 0.05 mg/L
total nitrogen	0.05 mg/L detection limit	< 0.05 mg/L as 0.025 mg/L
TSS	2.0 mg/L detection limit	< 2.0 mg/L as 1 mg/L

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## NSF/ANSI Standard For Wastewater Technology –

# Onsite Residential and Commercial Water Reuse Treatment Systems

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## Normative Annex 2

### Policy for reporting and using data from censored data sets

Occasionally performance testing of systems produces analytical laboratory concentration results lower than the limits deemed reliable enough to report as a numeric value. Data sets containing values below the limit of detection for the parameter are known as 'censored data sets.'

This policy guides the reporting and subsequent statistical analysis of such data sets. Note that the policy is to be used when the percentage of non-detect values in a data set is equal to or less than 15%.

Parameter name	Method required precision	Reported value
alkalinity	2 mg CaCO <sub>3</sub> /L	< 2 mg CaCO <sub>3</sub> /L as 1 mg/L
BOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
CBOD <sub>5</sub>	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
COD	2.0 mg/L detection limit	< 2 mg/L as 1.0 mg/L
disinfectant	0.2 mg/L	< 0.2 mg/L as 0.1 mg/L
<i>Escherichia coli</i>	1 MPN/100mL	< 1 MPN/100mL as 1 MPN/100 mL
hardness	5 mg as CaCO <sub>3</sub> /L	< 5 mg as CaCO <sub>3</sub> /L as 2.5 mg/L)
total coliform	1 MPN/100mL	< 1 MPN/100 mL as 1 MPN/100 mL
total Kjeldahl nitrogen	0.1 mg/L	< 0.1 mg/L as 0.05 mg/L
total phosphorus	0.03 mg/L	< 0.03 mg/L as 0.015 mg/L
TOC	0.1 mg/L	< 0.1 mg/L as 0.05 mg/L
TSS	2.0 mg/L	< 2 mg/L as 1.0 mg/L
turbidity	0.02 NTU	< 0.02 NTU as 0.01 NTU

*Rationale - Please note that for microbial analyses we substitute the detection limit (and not half the detection limit) to report the result.*

## BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

### 1. Cord-connected water heaters

#### PROPOSAL

### 11 Electrical Supply Connections – Permanent Connection

#### 11.1 General

11.1.2 A water heater shall have provision for the connection to a permanent wiring system in accordance with 11.3.1. The sheet metal surrounding the opening for permanent wiring connection shall be of such thickness or shall be formed or reinforced such that it has rigidity no less than that of a flat sheet of the same material having an average thickness no less than 0.053 inch (1.35 mm) if uncoated and 0.056 inch (1.42 mm) if galvanized.

*Exception No. 1: A small capacity storage tank water heater is not required to be permanently connected when it complies with Electrical Supply Connections – Cord Connection, Section 12.*

*Exception No. 2: A water heater rated 120 volts or less is not required to be permanently connected when it complies with Electrical Supply Connections – Cord Connection, Section 12.*

### 12 Electrical Supply Connections – Cord Connection

#### 12.1 Power supply cords

12.1.1 With respect to the Exceptions of 11.1.2, a small-capacity storage tank water heater intended for cord and plug connection to the supply circuit shall be provided with damp location, hard or extra hard usage flexible cord, such as Type S, SO, ST, STO, SJ, SJT, SJTO, HS, or HSO cord as described in the National Electrical Code, ANSI/NFPA 70. The length of the cord external to the water heater, measured to the face of the attachment plug, shall be no less than 2 feet (0.61 m) nor more than 6 feet (1.83 m).

#### 47 Ratings

47.7 A marking on, or in addition to, the nameplate shall be provided on a cord-connected unit if that unit has a marked ampere rating which exceeds 50 percent of the rating of the branch circuit to which it may be connected in accordance with ANSI/NFPA 70. The marking shall be permanent, in letters not less than 4.8 mm (3/16 inch) high located adjacent to the cord entrance of the product enclosure. This marking shall read: "Use on Single Outlet Circuit Only."

Exception: The marking on a unit with a 15 ampere attachment plug may read: "Use on 15 Ampere Single Outlet Circuit or shared 20 Ampere circuit," if the marked rating of the unit does not exceed 10 amperes.

## **48 Warning Notices**

48.10 A cord- and plug-connected water heater shall be plainly and permanently marked with the word "CAUTION " and the following or the equivalent: A damaged power supply cord must be replaced with one supplied by the unit manufacturer and not repaired.

## **51 Safety Instructions**

51.5 The statement "IMPORTANT SAFETY INSTRUCTIONS" or the equivalent shall precede the list, and the statement "SAVE THESE INSTRUCTIONS" or the equivalent shall either precede or follow the list. The word "WARNING" shall be entirely in upper case letters or shall be emphasized to distinguish it from the remainder of the text.

### **IMPORTANT SAFETY INSTRUCTIONS**

WARNING – When using electrical appliances, basic safety precautions to reduce the risk of fire, electric shock, or injury to persons should be followed, including:

1. READ ALL INSTRUCTIONS BEFORE USING THIS WATER HEATER.
2. This water heater must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on (specific page or section to be included).
3. Install or locate this water heater only in accordance with the provided installation instructions.
4. Use this water heater only for its intended use as described in this manual.
5. Do not use an extension cord set with this water heater. If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed.
6. As with any appliance, close supervision is necessary when used by children.
7. Do not operate this water heater if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
8. This water heater should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair, or adjustment.
9. Do not use surge protectors or multi-outlet adaptors with this water heater.

## BSR/UL 201, Standard for Safety for Garage Equipment

### 1. Add Electronic Format Instructions

#### PROPOSAL

5.11.1 ELECTRONIC FORMAT – Any electronic content (other than computer programs or system files) provided with the product on common storage media (e.g. CD, DVD, BlueRay, USB, SD storage or other electronic format), or made available via internet link provided on written format with the product. This electronic content may be used in either an electronic form (e.g. text file, PDF, Microsoft Word Document, etc.) or in printed form derived from the electronic content.

5.44 WRITTEN FORMAT – A printed document, label, marking, or molded/stamped text provided in a physical form as part of or with the product. Written content on disposable materials such as packaging and intentional / peel-off stickers is not considered written format content.

85.9 The instruction manual shall be provided in written format or in electronic format. When the Instruction Manual information is provided in an electronic format, the content shall provide all information required in Sections 85.3 to 85.8. Additionally, for electronic format content, an instruction sheet shall be provided in written format that informs the user how to access the electronic content. All steps required in order to access the information shall be provided.

85.10 The electronic format information shall be provided such that it can be read with commonly available open-source or free software. Electronic format information shall not consist of computer programs or system files.

Note: Computer programs and system files may impede access to the electronic information due to installation difficulty and/or required administrative permissions

85.11 Multiple forms of electronic and written format content may be used on one product. For written format content, this could include labeling, marking, molding/stamping, and printed documentation as defined above and elsewhere in this Standard. For electronic format content, the unit shall include the electronic information via one or both of the following options.

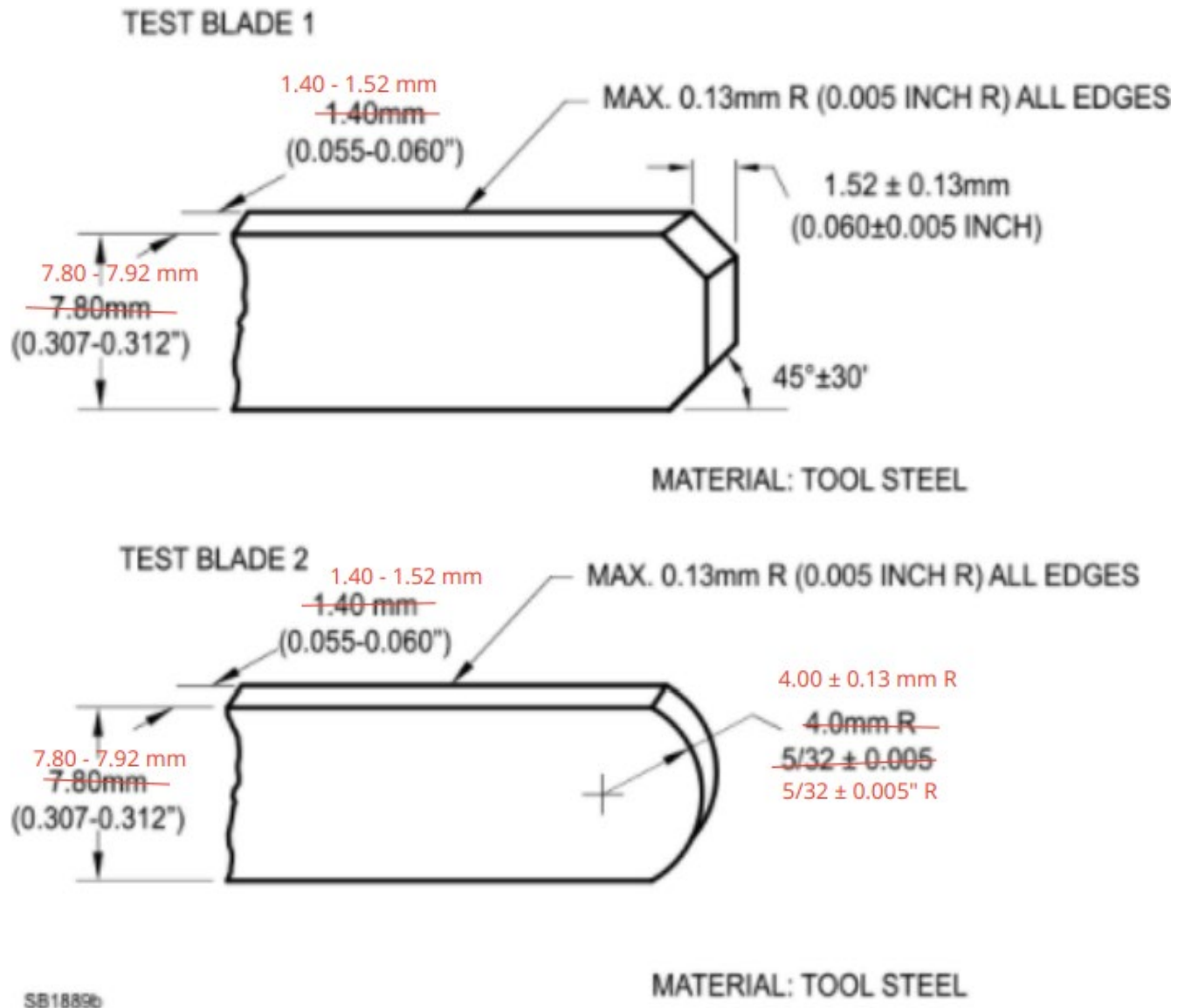
- a) Saved on a commonly available media storage device such as a CD or USB storage media.
- b) Detailed information for obtaining or downloading the electronic information. These details will include where and how the electronic information will be available and it may be in the form of an internet link.

## BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

### 1. Revision of Figure 100.1 for Improper Insertion Blades

#### PROPOSAL

Figure 100.1  
Improper Insertion Blades



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## 2021 Standards Action Publishing | Volume No. 52

\*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the \*SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
01	12/15/2020	12/21/2020	<b>Jan 1</b>	1/31/2021	2/15/2021	3/2/2021
02	12/22/2020	12/28/2020	<b>Jan 8</b>	2/7/2021	2/22/2021	3/9/2021
03	12/29/2020	1/4/2021	<b>Jan 15</b>	2/14/2021	3/1/2021	3/16/2021
04	1/5/2021	1/11/2021	<b>Jan 22</b>	2/21/2021	3/8/2021	3/23/2021
05	1/12/2021	1/18/2021	<b>Jan 29</b>	2/28/2021	3/15/2021	3/30/2021
06	1/19/2021	1/25/2021	<b>Feb 5</b>	3/7/2021	3/22/2021	4/6/2021
07	1/26/2021	2/1/2021	<b>Feb 12</b>	3/14/2021	3/29/2021	4/13/2021
08	2/2/2021	2/8/2021	<b>Feb 19</b>	3/21/2021	4/5/2021	4/20/2021
09	2/9/2021	2/15/2021	<b>Feb 26</b>	3/28/2021	4/12/2021	4/27/2021
10	2/16/2021	2/22/2021	<b>Mar 5</b>	4/4/2021	4/19/2021	5/4/2021
11	2/23/2021	3/1/2021	<b>Mar 12</b>	4/11/2021	4/26/2021	5/11/2021
12	3/2/2021	3/8/2021	<b>Mar 19</b>	4/18/2021	5/3/2021	5/18/2021
13	3/9/2021	3/15/2021	<b>Mar 26</b>	4/25/2021	5/10/2021	5/25/2021
14	3/16/2021	3/22/2021	<b>Apr 2</b>	5/2/2021	5/17/2021	6/1/2021
15	3/23/2021	3/29/2021	<b>Apr 9</b>	5/9/2021	5/24/2021	6/8/2021
16	3/30/2021	4/5/2021	<b>Apr 16</b>	5/16/2021	5/31/2021	6/15/2021
17	4/6/2021	4/12/2021	<b>Apr 23</b>	5/23/2021	6/7/2021	6/22/2021
18	4/13/2021	4/19/2021	<b>Apr 30</b>	5/30/2021	6/14/2021	6/29/2021
19	4/20/2021	4/26/2021	<b>May 7</b>	6/6/2021	6/21/2021	7/6/2021
20	4/27/2021	5/3/2021	<b>May 14</b>	6/13/2021	6/28/2021	7/13/2021
21	5/4/2021	5/10/2021	<b>May 21</b>	6/20/2021	7/5/2021	7/20/2021
22	5/11/2021	5/17/2021	<b>May 28</b>	6/27/2021	7/12/2021	7/27/2021
23	5/18/2021	5/24/2021	<b>Jun 4</b>	7/4/2021	7/19/2021	8/3/2021
24	5/25/2021	5/31/2021	<b>Jun 11</b>	7/11/2021	7/26/2021	8/10/2021
25	6/1/2021	6/7/2021	<b>Jun 18</b>	7/18/2021	8/2/2021	8/17/2021
26	6/8/2021	6/14/2021	<b>Jun 25</b>	7/25/2021	8/9/2021	8/24/2021
27	6/15/2021	6/21/2021	<b>Jul 2</b>	8/1/2021	8/16/2021	8/31/2021
28	6/22/2021	6/28/2021	<b>Jul 9</b>	8/8/2021	8/23/2021	9/7/2021
29	6/29/2021	7/5/2021	<b>Jul 16</b>	8/15/2021	8/30/2021	9/14/2021



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\*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the \*SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
30	7/6/2021	7/12/2021	<b>Jul 23</b>	8/22/2021	9/6/2021	9/21/2021
31	7/13/2021	7/19/2021	<b>Jul 30</b>	8/29/2021	9/13/2021	9/28/2021
32	7/20/2021	7/26/2021	<b>Aug 6</b>	9/5/2021	9/20/2021	10/5/2021
33	7/27/2021	8/2/2021	<b>Aug 13</b>	9/12/2021	9/27/2021	10/12/2021
34	8/3/2021	8/9/2021	<b>Aug 20</b>	9/19/2021	10/4/2021	10/19/2021
35	8/10/2021	8/16/2021	<b>Aug 27</b>	9/26/2021	10/11/2021	10/26/2021
36	8/17/2021	8/23/2021	<b>Sep 3</b>	10/3/2021	10/18/2021	11/2/2021
37	8/24/2021	8/30/2021	<b>Sep 10</b>	10/10/2021	10/25/2021	11/9/2021
38	8/31/2021	9/6/2021	<b>Sep 17</b>	10/17/2021	11/1/2021	11/16/2021
39	9/7/2021	9/13/2021	<b>Sep 24</b>	10/24/2021	11/8/2021	11/23/2021
40	9/14/2021	9/20/2021	<b>Oct 1</b>	10/31/2021	11/15/2021	11/30/2021
41	9/21/2021	9/27/2021	<b>Oct 8</b>	11/7/2021	11/22/2021	12/7/2021
42	9/28/2021	10/4/2021	<b>Oct 15</b>	11/14/2021	11/29/2021	12/14/2021
43	10/5/2021	10/11/2021	<b>Oct 22</b>	11/21/2021	12/6/2021	12/21/2021
44	10/12/2021	10/18/2021	<b>Oct 29</b>	11/28/2021	12/13/2021	12/28/2021
45	10/19/2021	10/25/2021	<b>Nov 5</b>	12/5/2021	12/20/2021	1/4/2022
46	10/26/2021	11/1/2021	<b>Nov 12</b>	12/12/2021	12/27/2021	1/11/2022
47	11/2/2021	11/8/2021	<b>Nov 19</b>	12/19/2021	1/3/2022	1/18/2022
48	11/9/2021	11/15/2021	<b>Nov 26</b>	12/26/2021	1/10/2022	1/25/2022
49	11/16/2021	11/22/2021	<b>Dec 3</b>	1/2/2022	1/17/2022	2/1/2022
50	11/23/2021	11/29/2021	<b>Dec 10</b>	1/9/2022	1/24/2022	2/8/2022
51	11/30/2021	12/6/2021	<b>Dec 17</b>	1/16/2022	1/31/2022	2/15/2022
52	12/7/2021	12/13/2021	<b>Dec 24</b>	1/23/2022	2/7/2022	2/22/2022
53	12/14/2021	12/20/2021	<b>Dec 31</b>	1/30/2022	2/14/2022	3/1/2022