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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.

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org

Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB Std 173-202x, Standard for Education and Training of Forensic Toxicology Personnel (new standard)

Stakeholders: The forensic toxicology community.

Project Need: This standard will provide minimum education and training requirements for forensic toxicology laboratory personnel who perform a technical function within the laboratory.

Scope: This document provides minimum requirements for educational qualifications, training, competency, experience, continuing education, and certification of laboratory personnel performing or overseeing forensic toxicology analysis and breath alcohol instrument calibration. This applies to the following sub-disciplines: postmortem toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs) and other forensic testing (e.g., court-ordered toxicology, general forensic toxicology). Laboratory personnel that exclusively perform administrative or non-technical duties are outside the scope of this document.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 www.cleanpower.org

Contact: Michele Mihelic; standards@cleanpower.org

National Adoption

BSR/ACP 61400-5-202x, Wind energy generation systems - Part 5: Wind turbine blades (identical national adoption of IEC 61400-5:2020)

Stakeholders: Clean power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.

Project Need: ACP intends identical adoption of IEC 61400-5:2020.

Scope: IEC 61400-5:2020 specifies requirements to ensure the engineering integrity of wind turbine blades as well as an appropriate level of operational safety throughout the design lifetime. It includes requirements for:

- aerodynamic and structural design;
- material selection, evaluation and testing;
- manufacture (including associated quality management); and
- transportation, installation, operation and maintenance of the blades.

The purpose of this document is to provide a technical reference for designers, manufacturers, purchasers, operators, third-party organizations and material suppliers, as well as to define requirements for certification.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 www.cleanpower.org

Contact: Michele Mihelic; standards@cleanpower.org

National Adoption

BSR/ACP 61400-27-1-202x, Wind energy generation systems - Part 27-1: Electrical simulation models (identical national adoption of IEC 61400-27-1:2020)

Stakeholders: Clean power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.

Project Need: ACP intends identical adoption of IEC 61400-27-1:2020.

Scope: IEC 61400-27-1:2020 defines standard electrical simulation models for wind turbines and wind power plants.

The specified models are time-domain positive-sequence simulation models, intended to be used in power-system and grid-stability analyses. The models are applicable for dynamic simulations of short-term stability in power systems. This document defines the generic terms and parameters for the electrical simulation models. This document specifies electrical simulation models for the generic wind-power plant topologies/configurations currently on the market. The wind-power plant models include wind turbines, wind-power plant control, and auxiliary equipment. The wind-power plant models are described in a modular way which can be applied for future wind-power plant concepts and with different wind-turbine concepts.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 www.cleanpower.org

Contact: Michele Mihelic; standards@cleanpower.org

National Adoption

BSR/ACP 61400-27-2-202x, Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation (identical national adoption of IEC 61400-27-2:2020)

Stakeholders: Clean power stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders.

Project Need: ACP intends identical adoption of IEC 61400-27-2:2020.

Scope: IEC 61400-27-2:2020 specifies procedures for validation of electrical simulation models for wind turbines and wind-power plants, intended to be used in power-system and grid-stability analyses. The validation procedures are based on the tests specified in IEC 61400-21 (all parts). The validation procedures are applicable to the generic models specified in IEC 61400-27-1 and to other fundamental frequency wind-power plant models and wind turbine models. The validation procedures for wind turbine models focus on fault ride through capability and control performance. The fault ride through capability includes response to balanced and unbalanced voltage dips as well as voltage swells. The control performance includes active power control, frequency control, synthetic inertia control, and reactive power control. The validation procedures for wind turbine models refer to the tests specified in IEC 61400-21-1. The validation procedures for wind turbine models refer to the wind turbine terminals.

AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC 20036 www.aham.org

Contact: Matthew Williams; mwilliams@aham.org

National Adoption

BSR/AHAM 60704-2-13-202x, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods and other cooking fume extractors (national adoption with modifications of IEC 60704-2-13)

Stakeholders: Manufacturers of range hoods and other cooking fume extractors, testing laboratories; consumers.

Project Need: Adoption of IEC 60704-2-13

Scope: These particular requirements apply to electrical range hoods and other cooking fume extractors for household and similar use intended for filtering the air of a room or for exhausting the air out of a room, including their accessories and their component parts. It also applies to cooking fume extractors with an external fan which may be mounted inside or outside of the room where the range hood is located or a down-draft system that is arranged beside, behind or under the cooking surface.

AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC 20036 www.aham.org

Contact: Matthew Williams; mwilliams@aham.org

National Adoption

BSR/AHAM 60704-2-19-202x, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-19: Particular requirements for air cleaners (national adoption with modifications of IEC 60704-2-19)

Stakeholders: Manufacturers of air cleaners; testing laboratories; consumers.

Project Need: Adoption of IEC 60704-2-19

Scope: This standard applies to static-free floor or table standing air cleaners for domestic and similar use, supplied from mains, d.c. voltage not exceeding 48 volts, or batteries. The standard includes combination products, where air cleaning is combined with for example humidification, but may be used only for the air-cleaning function. Mobile air cleaners (3.102) and fresh air air cleaners (3.103) are excluded from this standard. By similar use is understood the use in hotels, hospitals, shops, offices, etc. For determining and verifying noise emission values declared in product specifications, see IEC 60704-3:2019.

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 www.nace.org

Contact: Everett Bradshaw; Everett.bradshaw@nace.org

National Adoption

BSR/AMPP TM0416-202x/ISO 22858-202x, Corrosion of metals and alloys - Electrochemical measurements - Test method for monitoring atmospheric corrosion (identical national adoption of ISO 22858:2020)

Stakeholders: Corrosion professionals, oil and gas, materials manufacturers, laboratories.

Project Need: Adoption of an ISO standard.

Scope: This document specifies a test method for atmospheric corrosion measurements, using two-electrode electrochemical sensors. It is applicable to measurements of the corrosion rate of uncoupled metal surfaces (i.e., "free" corrosion rate), galvanic corrosion rate, conductance of thin film solutions and barrier properties of organic coatings. It specifies electrochemical sensors that are used with or without organic coatings. The sensors are applicable to corrosion measurements made in laboratory test chambers, outdoor exposure sites, and service environments.

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 www.printtechnologies.org

Contact: Debra Orf; dorf@aptech.org

New Standard

BSR CGATS.22-202x, Graphic technology - Spectral reflection metrology - Certified reference materials - Documentation and procedures for use, including determination of combined standard uncertainty (new standard)

Stakeholders: Manufacturers of spectrodensitometers, spectrocolorimeters, and spectrophotometers and the users of this equipment.

Project Need: Spectrodensitometers, spectrocolorimeters and spectrophotometers are widely used to make measurements for quality and process control in the graphic arts, photographic and imaging industries. This document provides guidance and is a resource for manufacturers and users of certified reference materials (CRMs). Using CRMs as part of quality assurance activities is essential for verification and calibration of measurement systems and can increase confidence in data obtained from measurement instruments. industries.

Scope: This document specifies the documentation requirements for certified reference materials (CRMs), the procedures for the use of CRMs, and the procedures for the computation and reporting of combined standard uncertainty, as applicable to the calibration, standardization, performance characterization and verification, and routine use of instruments for the measurements of spectral reflectance, transmittance, and radiance as used in the graphic arts, photographic, and other image reproduction processes. Applicable measurement systems include, but are not restricted to, spectrodensitometers, spectrocolorimeters, spectrophotometers, and spectroradiometers.

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

180 Technology Parkway, Peachtree Corners, GA 30092 www.ashrae.org

Contact: Tanisha Meyers-Lisle; tmlisle@ashrae.org

Revision

BSR/ASHRAE Standard 150-202X, Method of Testing the Performance of Cool Storage Systems (revision of ANSI/ASHRAE Standard 150-2019)

Stakeholders: System owners, consulting engineers, contractors, and possibly utility companies.

Project Need: Modify the standard so that its use in the industry will be increased.

Scope: This standard prescribes a uniform set of testing procedures for determining the cooling capacities and efficiencies of cool storage systems. This standard covers cool storage systems composed of chillers, storage medium, storage device or vessel, heat sink equipment or heat sink systems, and other auxiliary equipment required to provide a complete and working system.

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

180 Technology Parkway, Peachtree Corners, GA 30092 www.ashrae.org

Contact: Tanisha Meyers-Lisle; tmlisle@ashrae.org

Revision

BSR/ASHRAE Standard 173-202X, Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors (revision of ANSI/ASHRAE Standard 173-2012 (R2016))

Stakeholders: Service technicians, consumers, and OEM manufacturers.

Project Need: Standard will be revised to update all references.

Scope: The purpose of this standard is to establish a method of test for qualifying the performance of portable leak detectors designed for the detection of CFC, HCFC, HFC, and PFC halogenated gases.

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 www.asme.org

Contact: Terrell Henry; ansibox@asme.org

Reaffirmation

BSR/ASME A17.7/CSA B44.7-2006 (R202x), Performance-based safety code for elevators and escalators (reaffirmation of ANSI/ASME A17.7/CSA B44.7-2006 (R2012))

Stakeholders: Elevator equipment manufacturers, equipment owners, and regulatory authorities.

Project Need: To reaffirm the existing Standard which provides a structured method for establishing the safety of designs and products that are not yet covered by the A17.1 and B44 Elevator Codes. The availability of a uniform process for new technology will allow the early introduction of innovative products and allow the prescriptive codes then to “catch up” as the novel products become more standard products.

Scope: This performance-based safety code covers design, construction, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances. A17.7 is specifically intended for new elevator technology and practices and provides a structured method for establishing the safety of designs and products.

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org

Contact: David Zimmerman; ansi.contact@csagroup.org

Addenda

BSR Z21.96a-2019, Portable Water Heaters for Outdoor Use (same as CSA 11.6) (addenda to ANSI Z21.96-2019)

Stakeholders: Manufacturers/producers, installers, consumers.

Project Need: Update the Standard to remove the restriction on the use of threaded connections in order to accommodate the expansion of product offerings and uses for portable water heaters today. Activities such as outdoor showers and warm water washing of boats, cars and pets are dependent on the use of garden hose inputs and the use of common threaded output devices such as hand held shower handles or garden hoses with grip shut offs. The appliances remain intended for temporary, occasional use, as is defined in the Scope of the Standard.

Scope: This Standard applies to portable-type gas-water heaters, referred to in this standard as water heaters or appliances: (a) for use with propane; (b) for use with butane; (c) for use with liquified petroleum gases; (d) for use with LP gas-air mixtures; (e) having regulated pressure; (f) having non-regulated pressure; (g) for point-of-use installation (dishwashing, washing, showering, etc.); (h) for supply of potable hot water; (i) for supply of non-potable hot water; (j) intended for temporary connection to inlet water lines; (k) intended for temporary connection to outlet water lines; (l) intended for outdoor installation; and (m) intended for unvented use.

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 <https://dentalstandardsinstitute.com/>

Contact: Bryan Laskin; bryan@upgradedental.com

New Standard

BSR/DSI ODINST1.1-202x, The Specification, Storage, Transmission, Retrieval and Processing of Vital Datasets in Oral Health Care in the Oral Dataset Interoperability Network (ODIN) (new standard)

Stakeholders: Producers, employers, consumers, users.

Project Need: Currently providers, patients and vendors require crucial information contained solely in the databases of Digital Dental Records (DDR), that are controlled by a select few organizations. This information, however, has been restricted to everyone, other than the DDR vendor, even though it is legally owned by the patient themselves and the dental practice is the acting steward of the data. The software vendor providing the database is, therefore, restricting access to data that they do not own in a way that drastically degrades the public's oral health. For example, not having the patient's medical history accessible within the DDR, has potentially life threatening consequences. Less startling omissions of data access and transferability, like digital dental and periodontal charting information also exist. Additionally when transferring oral datasets electronically, the lack of consistency in information, along with the lack of the ability to pull uniform information into existing DDR create a high barrier for adoption of this superior form of communication between dental professionals, patients and industry partners.

Scope: This Standard details vital information that is necessary to be included in dental patient care when either the patient, dental care team member, or dental industry professional requires to view the patient's Digital Dental Record (DDR). The availability, storage, transmission, retrieval, and processing of this crucial electronic dental patient information is described. The goal of this Standard is to provide secure and open access to the dental patient's crucial data, elevating patient care and reducing the incidence of errors due to miscommunication or lack of information availability. This Standard covers the formatting and data exchange within the Oral Dataset Interoperability Network (ODIN), as well as how ODIN can be leveraged with existing health care Standards, such as HL7, FHIR, and DICOM, to provide more complete overall care of the dental patient.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

Contact: Terry Burger; terry.burger@asse-plumbing.org

New Standard

BSR/ASSE 1118-202x, Performance Requirements for Digital Mixing Valves (DMV) for Hot Water Recirculating Systems (new standard)

Stakeholders: Plumbing, construction.

Project Need: Digital mixing valves are increasingly being specified in engineered centralized recirculating water systems. However, there are not product standards for digital Mixing valve used in this application.

Scope: Digital mixing valves used in hot-water recirculating systems are used for controlling water temperatures in hot water systems and shall be installed in the recirculation loop. This standard covers the performance requirements for device manufactured for this application. They are not intended for end-use applications.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org

Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 230-202x, Recommended Practice for Proper Handling of Audio-Video Synchronization in Cable Systems (revision of ANSI/SCTE 230-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: update current technology

Scope: This Recommended Practice specifies proper procedures for the measurement of and maintenance of Audio-Video Synchronization (commonly known as “Lip Sync”) through various aspects of a cable system – including the headend and distribution architecture and devices.

SERI (Sustainable Electronics Recycling International)

PO Box 721, Hastings, MN 55033 www.sustainableelectronics.org

Contact: Sean DeVries; sean@sustainableelectronics.org

Revision

BSR/SERI R2v3.1-202x, The Sustainable Electronics Reuse & Recycling (R2) Standard (revision and redesignation of ANSI/SERI R2-V3-2020)

Stakeholders: Entities covered by the standard including PV reuse and recycling facilities. Customers of entities covered by the standard including manufacturers of PV modules and associated equipment, and generators of PV equipment such as utility companies. Other interested stakeholders including regulators, PV consultants, and PV research experts.

Project Need: With the rapidly increasing adoption of solar power globally, the quantity of photovoltaic (PV) modules and other associated equipment being produced and used in the market is increasing at a significant rate. Once this PV equipment reaches the end of its first use, sustainable solutions for its safe and environmentally sound reuse and recycling are required. The review and revision of the R2 Standard to include PV equipment, would help to identify some of the key risks associated with processing this equipment; enable processors to demonstrate their operations meet the defined R2 sustainable practices for processing it; and provide generators of PV equipment insight into how it is safely and sustainably managed.

Scope: The R2 Standard establishes sustainable reuse and recycling (“R2”) practices for the management and processing of used electronics globally. Certification to the R2 Standard, through a SERI authorized Certification Body, can help provide generators of used electronics confidence that their equipment is managed in an environmentally responsible manner, protective of the health and safety of workers and the public, and that all data on all devices is secured and effectively destroyed.

UL (Underwriters Laboratories)

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

Contact: Jeff Prusko; jeffrey.prusko@ul.org

New Standard

BSR/UL 1337-202x, Standard for Safety for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems (new standard)

Stakeholders: Manufacturers of LP-gas, natural gas, and manufactured gas devices for engine fuel systems.

Project Need: To obtain nationally recognized requirements for the following types of devices for engine fuel system applications intended for use with liquefied petroleum gas (LP-Gas), natural gas, and/or manufactured gas. (a) Automatic shutoff valves - electrically operated or vacuum actuated (mechanical); (b) Combination manual/automatic shutoff valves - electrically operated or vacuum actuated (mechanical); (c) Carburetors or air-fuel mixers; (d) Regulators; (e) Vaporizers and vaporizer/regulators; (f) Filters and strainers; (g) Fuel locks and fuel-lock filters; (h) Fittings and connectors; (i) Quick connect couplings and quick closing couplings; (j) Liquid level gauges; (k) Liquid level control valves (also known as overfilling prevention devices); (l) Low level sensor; (m) Relief devices; and (n) Fuel control valves.

Scope: These requirements cover for the following types of devices for engine fuel system applications intended for use with liquefied petroleum gas (LP-Gas), natural gas, and/or manufactured gas. (a) Automatic shutoff valves - electrically operated or vacuum actuated (mechanical); (b) Combination manual/automatic shutoff valves - electrically operated or vacuum actuated (mechanical); (c) Carburetors or air-fuel mixers; (d) Regulators; (e) Vaporizers and vaporizer/regulators; (f) Filters and strainers; (g) Fuel locks and fuel-lock filters; (h) Fittings and connectors; (i) Quick connect couplings and quick closing couplings; (j) Liquid level gauges; (k) Liquid level control valves (also known as overfilling prevention devices); (l) Low level sensor; (m) Relief devices; and (n) Fuel control valves.

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

* Standard for consumer products

Comment Deadline: August 8, 2021

EOS/ESD (ESD Association, Inc.)

7900 Turin Road, Building 3, Rome, NY 13440 | e: cearl@esda.org, w: www.esda.org

Revision

BSR/ESD STM11.13-202x, ESD Association Draft Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items -Two-Point Resistance Measurement (revision of ANSI/ESD STM11.13-2018)

This document is intended for measuring materials with a resistance of greater than or equal to 1.0×10^4 ohms and less than 1.0×10^{11} ohms.

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

Send comments (copy psa@ansi.org) to: Christina Earl; cearl@esda.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Revision

BSR/NSF 14-202x (i115r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

Comment Deadline: August 8, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: mleslie@nsf.org, w: www.nsf.org

Revision

BSR/NSF 42-202x (i114r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic). Substances may be soluble or particulate in nature. It is recognized that a system may be effective in controlling one or more of these substances but is not required to control all. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Filter systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

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

Send comments (copy psa@ansi.org) to: Monica Leslie; mleslie@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: arose@nsf.org, w: www.nsf.org

Revision

BSR/NSF 49-202x (i135r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

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

Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: arose@nsf.org, w: www.nsf.org

Revision

BSR/NSF 51-202x (i17r1), Food Equipment Materials (revision of ANSI/NSF 51-2019)

This Standard is applicable to the materials and finishes used in the manufacture of food equipment (e.g., broiler, beverage dispenser, cutting board, stock pot). The Standard is also applicable to components such as tubing, sealants, gaskets, valves, and other items intended for various food equipment applications.

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

Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: mleslie@nsf.org, w: www.nsf.org

Revision

BSR/NSF 55-202x (i57r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)

The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Send comments (copy psa@ansi.org) to: Monica Leslie; mleslie@nsf.org

Comment Deadline: August 8, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: rbrooker@nsf.org, w: www.nsf.org

Revision

BSR/NSF 455-2-202x (i21r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: rbrooker@nsf.org, w: www.nsf.org

Revision

BSR/NSF 455-3-202x (i28r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic manufacture with sufficient quality to ensure suitability for intended use.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: rbrooker@nsf.org, w: www.nsf.org

Revision

BSR/NSF 455-4-202x (i35r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2019)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality to ensure suitability for intended use.

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

Send comments (copy psa@ansi.org) to: Rachel Brooker; rbrooker@nsf.org

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 | e: Doreen.Stocker@ul.org, w: <https://ul.org/>

Revision

BSR/UL 1839-202x, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2020)
The following changes in requirements are being proposed for review: (1) Addition of requirements for coin and button cell batteries in booster cables; (2) Requirements for service booster cable assemblies; and (3) Substitute Material for copper used in booster cables.

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

Send comments (copy 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: August 8, 2021

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | e: Paul.E.Lloret@ul.org, w: <https://ul.org/>

Revision

BSR/UL 2075-202x, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075-2017)
Recirculation of document that proposes changes to the new one-year sensor stability test for gas sensors, originally proposed on April 9, 2021.

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

Send comments (copy 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 | e: Nicolette.A.Weeks@ul.org, w: <https://ul.org/>

Revision

BSR/UL 2443-202X, Standard for Flexible Sprinkler Hose with Fittings for Fire Protection Service (revision of ANSI/UL 2443-2020)

UL proposes a revision to the inside diameter for 0.5-inch female threaded outlet fittings.

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

Send comments (copy 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: August 23, 2021

ACI (American Concrete Institute)

38800 Country Club Drive, Farmington Hills, MI 48331 | e: shannon.banchero@concrete.org, w: www.concrete.org

Revision

BSR/ACI CODE-562-202X, Assessment, Repair, and Rehabilitation of Existing Concrete Buildings - Code Requirements and Commentary (revision and redesignation of ANSI/ACI 562-2020)

This code provides minimum requirements for assessment, repair, and rehabilitation of existing structural concrete buildings, members, systems, and, where applicable, nonbuilding structures. The Code is specifically written for use by a licensed design professional. This code provides minimum requirements for assessment, design and construction, or implementation of repairs and rehabilitation, including quality assurance requirements, for structural concrete in service.

Single copy price: Free

Obtain an electronic copy from: <https://www.concrete.org/publications/standards/upcomingstandards.aspx>

Order from: Shannon Banchero; shannon.banchero@concrete.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | e: standards@cleanpower.org, w: www.cleanpower.org

Reaffirmation

BSR/ACP 61400-12-1 2016 (R202x), Power Performance Measurements of Electricity Producing Wind Turbines (reaffirmation and redesignation of ANSI/AWEA 61400-12-1 2016)

This is an identical adoption of the IEC 61400-12-1:2005, Power performance measurements of electricity producing wind turbines. Any reference in this standard to an IEC 61400 part is understood to mean a reference to the equivalent ANSI/AWEA 61400 part where it exists. The purpose of this part of IEC 61400 is to provide a uniform methodology that will ensure consistency accuracy and reproducibility in the measurement and analysis of power performance by wind turbines. The standard has been prepared with the anticipation that it would be applied by:

- a wind turbine manufacturer striving to meet well-defined power performance requirements and/or a possible declaration system;
- a wind turbine purchaser in specifying such performance requirements;
- a wind turbine operator who may be required to verify that stated or required power performance specifications are met for new or refurbished units; and
- a wind turbine planner or regulator who must be able to accurately and fairly define power performance characteristics of wind turbines in response to regulations or permit requirements for new or modified installations.

Single copy price: \$280.80 (ACP Members); \$351.00 (Non-Members)

Obtain an electronic copy from: <https://engage.cleanpower.org/Shop/product-catalog/Product-Details?productid={FC615E9E-498F-E811-80CA-00155D005B49}>

Send comments (copy psa@ansi.org) to: standards@cleanpower.org

AGA (ASC B109) (American Gas Association)

400 N. Capitol St., NW, Suite 450, Washington, DC 20001 | e: lescobar@aga.org, w: www.aga.org

Revision

BSR B109.4-202x, Self-Operated Diaphragm-Type Natural Gas Service Regulators for Nominal Pipe Size 1 inch (32 mm) and Smaller with Outlet Pressures of 2 psi (13.8 kPa) and Less (revision of ANSI B109.4-2017)

This standard shall apply to the minimum design, material, performance and testing requirements of 1¼ inches (32 mm) and smaller self-operated diaphragm-type natural gas service regulators operating at inlet pressures up to 125 psig (861.8 kPa). These regulators are used to control the gas delivery pressure (also referred to as set pressure or P2) to pressures at 2 psig or less (13.8 kPa). This standard shall apply only to regulators manufactured after the approval date of this standard. This standard includes overpressure protection options including internal relief valves (IRVs) and self-operated integral slam shut valves.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-b109/>

Send comments (copy psa@ansi.org) to: lescobar@aga.org

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | e: dorf@aptech.org, w: www.printtechnologies.org

Reaffirmation

BSR/CGATS/ISO 12640-3-2007 (R202x), Graphic Technology - Prepress Digital Data Exchange - Part 3: CIELAB Standard Colour Image Data (CIELAB/SCID) (reaffirm a national adoption ANSI/CGATS/ISO 12640-3-2007 (R2016))

This part of ISO 12640 specifies a set of standard large gamut color images (encoded as 16-bit CIELAB digital data) that can be used for the evaluation of changes in image quality during coding, image processing (including transformation, compression and decompression), displaying on a color monitor and printing. These images can be used for research, testing and assessing of output systems such as printers, color management systems, and color profiles.

Single copy price: \$80.00

Obtain an electronic copy from: dorf@aptech.org

Send comments (copy psa@ansi.org) to: Debra Orf; dorf@aptech.org

Comment Deadline: August 23, 2021

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | e: dorf@aptech.org, w: www.printtechnologies.org

Reaffirmation

BSR/CGATS/ISO 15930-7-2010 (R202x), Graphic technology - Prepress digital data exchange using PDF - Part 7: Complete exchange of printing data (PDF/X4) and partial exchange of printing data with external profile reference (PDF/X4p) using PDF 1.6 (reaffirm a national adoption ANSI/CGATS/ISO 15930-7-2010 (R2016))

This part of CGATS/ISO 15930 specifies the use of the Portable Document Format (PDF) Version 1.6 for the dissemination of digital data intended for print reproduction. When all elements necessary for final print reproduction are contained within the file, it is designated as PDF/X4. If a required ICC profile is externally supplied and unambiguously identified, it is designated as PDF/X4p. Colourmanaged, CMYK, gray, RGB or spot colour data are supported, as are PDF transparency and optional content. Files can be prepared for use with gray, RGB, and CMYK printing characterizations.

Single copy price: \$84.00

Obtain an electronic copy from: dorf@aptech.org

Send comments (copy psa@ansi.org) to: Debra Orf; dorf@aptech.org

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | e: dorf@aptech.org, w: www.printtechnologies.org

Reaffirmation

BSR/CGATS/ISO 15930-8-2010 (R202x), Graphic technology - Prepress digital data exchange using PDF - Part 8: Partial exchange of printing data using PDF 1.6 (PDF/X5) (reaffirm a national adoption ANSI/CGATS/ISO 15930-8-2010 (R2016))

This part of CGATS/ISO 15930 specifies the use of the Portable Document Format (PDF) Version 1.6 for the dissemination of digital data intended for print, whereby all elements necessary for final print reproduction are either included or provision is made for unique identification of externally supplied graphical content or n-colorant ICC profiles. Colour-managed, CMYK, gray, RGB or spot colour data are supported in any combination; as are PDF transparency and optional content. Files can be prepared for use with gray, RGB, CMYK and n-colorant printing characterizations.

Single copy price: \$44.00

Obtain an electronic copy from: dorf@aptech.org

Send comments (copy psa@ansi.org) to: Debra Orf; dorf@aptech.org

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | e: standards@acousticalsociety.org, w: www.acousticalsociety.org

Revision

BSR/ASA S12.9-2005/Part 4-202x, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI/ASA S12.9-2005/Part 4 (R2020))

The three primary methods for evaluating room noise are:

(1) The survey method that employs the A-weighted sound level; (2) The engineering method that employs noise criteria (NC) curves; and (3) The method for evaluating low-frequency fluctuating noise using room noise criteria (RNC) curves. This Standard also contains one ancillary set of criteria curves for evaluating acoustically induced vibrations or rattles.

Requirements are given in the body of the Standard for determining whether a:

- (1) Measured or estimated A-weighted sound level satisfies a specified noise criterion;
- (2) Set of octave-band sound pressure levels satisfies a specified NC curve;
- (3) Time-series of octave-band sound pressure levels satisfies a specified RNC curve; and
- (4) Table of octave-band sound pressure levels that, when modulated by fluctuations at low frequencies, may cause perceptible vibrations or rattles in lightweight constructions.

Single copy price: \$120.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon; standards@acousticalsociety.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

ASA (ASC S2) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | e: standards@acousticalsociety.org, w: www.acousticalsociety.org

New Standard

BSR/ASA S2.75-202x/Part 3, Shaft Alignment Methodology - Part 3: Alignment of Vertically Oriented Rotating Machinery (new standard)

This standard gives guidelines for applying shaft vibration evaluation criteria, under normal operating conditions, measured at or close to the bearings of some types of non-reciprocating shipboard machinery. These guidelines are presented in terms of both steady vibration amplitudes and changes in amplitudes which may occur in these steady values.

Purpose: The purpose of this standard is to provide specific guidance for assessing the severity of vibrations measured on rotating shafts of large shipboard machines with fluid film bearings, whenever such measurements are required, so as to insure smooth operation from the standpoint of mechanical suitability.

Single copy price: \$165.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon; standards@acousticalsociety.org

Send comments (copy psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | e: walsh@asabe.org, w: https://www.asabe.org/

New Standard

BSR/ASABE/ASHRAE EP653 MONYEAR-202x, Heating, Ventilating, and Air Conditioning (HVAC) for Indoor Plant Environments without Sunlight (new standard)

This Engineering Practice provides growers with the foundational information that will (a) facilitate the understanding of HVAC equipment options that can be used to manage the indoor plant environment (IPE) and (b) allow the grower to communicate knowledgeably with engineers, contractors, manufacturers, investors, and other growers.

Single copy price: \$72.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh; walsh@asabe.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Reaffirmation

BSR/ASTM F2929-2017 (R202x), Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig (reaffirmation of ANSI/ASTM F2929-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM D1785-202x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120 (revision of ANSI/ASTM D1785-2021)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F493-202x, Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings (revision of ANSI/ASTM F493-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F2160-202x, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (revision of ANSI/ASTM F2160-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F2390-202x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent (DWV) Pipe and Fittings Having Post-Industrial Recycle Content (revision of ANSI/ASTM F2390-2017 (R2017))

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F2487-202x, Practice for Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene and Polypropylene Pipelines (revision of ANSI/ASTM F2487-2017 (R2017))

https://www.astm.org/ANSI_SA

Single copy price: Free

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Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F2510-202x, Specification for Resilient Connectors between Reinforced Concrete Manhole Structures and Corrugated Dual- and Triple-Wall Polyethylene and Polypropylene Pipes (revision of ANSI/ASTM F2510/F2510M-2017a)
https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F3347-202x, Specification for Metal Press Insert Fittings with Factory-Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F3347-2020A)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

Revision

BSR/ASTM F3348-202x, Specification for Plastic Press Insert Fittings with Factory-Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F3348-2021)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | e: polson@awwa.org, w: www.awwa.org

Revision

BSR/AWWA C903-202x, Polyethylene-Aluminum-Polyethylene (PE-AL-PE) Composite Pressure Pipe, 12 mm (1/2 In.) through 51 mm (2 In.), for Water Service (revision of ANSI/AWWA C903-2016)

This standard describes the requirements for composite polyethylene–aluminum–polyethylene pipe (hereinafter referred to as PE–AL–PE) in metric nominal inside diameter (ID) sizes 12 mm (½ in.) through 51 mm (2 in.).

Single copy price: Free

Obtain an electronic copy from: ETSupport@awwa.org

Order from: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.40-2016 (R202x), Electric Lamps - Specifications for Mercury Lamps (reaffirmation of ANSI C78.40-2016)
This standard sets forth the physical and electrical requirements for single-ended metal halide lamps operated on 60 Hz ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts as well as the lamp-related requirements for luminaires. Luminous flux and lamp color are not part of this standard.
Single copy price: \$334.00

Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.41-2016 (R202x), Electric Lamps - Guidelines for Low Pressure Sodium Lamps (reaffirmation of ANSI C78.41-2016)
This standard describes the physical and electrical requirements of the principal types of single-ended low-pressure sodium lamps. The electrical data provides the specific basis for ballast requirements.
Single copy price: \$142.00

Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.44-2016 (R202x), Electric Lamps - Double-Ended Metal Halide Lamps (reaffirmation of ANSI C78.44-2016)
This standard sets forth the physical and electrical requirements for double-ended metal halide lamps operated on 60 Hz ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts and ignitors, as well as the lamp-related requirements for luminaires. This standard includes lamps whose arc tubes are made of quartz or ceramic materials. Luminous flux and lamp color is not part of this standard.
Single copy price: \$248.00

Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.45-2016 (R202x), Electric Lamps - Self-ballasted Mercury Lamps (reaffirmation of ANSI C78.45-2016)
This standard sets forth the physical and electrical requirements for self-ballasted mercury lamps operated on 60 Hz supply lines to ensure interchangeability and safety. The data given also provides the lamp-related requirements for luminaires. Luminous flux and lamp color are not part of this standard.
Single copy price: \$171.00

Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.50-2016 (R202x), Electric Lamps - Assigned LED Lamp Codes (reaffirmation of ANSI C78.50-2016)

This standard provides physical and electrical characteristics of the group of integrally ballasted Solid State Lighting (SSL) lamps that have standardized characteristics. Lamps with clear, frosted, opaque, and lens end windows and with various reflector and/or emitting coatings are covered. Lamps covered in this standard contain LED based light sources.

Single copy price: \$122.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.51-2016 (R202x), Electric Lamps - LED (Light Emitting Diode) Lamps - Method of Designation (reaffirmation of ANSI C78.51-2016)

This standard describes a system for the designation of integrally ballasted Solid State Lighting (SSL) lamps that have standardized characteristics. Lamps with clear, frosted, opaque, or prescription lenses, and with various reflector and/or emitting coatings are covered. Lamps covered in this standard contain LED-based light sources. The lamps may be connected to the branch circuit or to another voltage suitable for lighting applications, such as 12 V AC or DC.

Single copy price: \$140.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.81-2016 (R202x), Electric Lamps - Double-Capped Fluorescent Lamps - Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.81-2016)

This standard sets forth the physical and electrical characteristics of the principal types of fluorescent lamps intended for application on conventional line frequency circuits and electronic high frequency circuits. Some data sheets may specify more than one circuit application. Specifications for the lamp itself and the interactive features of the lamp and ballast are given. Only double-based lamps of the regular linear shape are included. Single-based lamps, including compact, circular, square, and U-shaped, are found in ANSI C78.901.

Single copy price: \$638.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.380-2016 (R202x), Electric Lamps - High-Intensity Discharge Lamps, Method of Designation (reaffirmation of ANSI C78.380-2016)

This standard describes a system for the designation of high-intensity discharge lamps, including compact, enclosed-arc discharge light sources such as mercury, metal halide, high-pressure sodium, and similar types of lamps. For convenience, low-pressure sodium lamps, although technically not high-intensity discharge lamps, are included with the group.

Single copy price: \$97.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.901-2016 (R202x), Electric Lamps - Single-Based Fluorescent Lamps - Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.901-2016)

This standard sets forth the physical and electrical characteristics required to assure interchangeability and to assist in proper application of single-based fluorescent lamps. Single-based compact fluorescent lamps, both self-supporting and those requiring auxiliary support, including circular-, square-, and U-shaped lamps, are specified. Specifications for the lamp itself and the interactive features of the lamp with the ballast are given. Information for luminaire design is given for certain lamp types.

Single copy price: \$608.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.1195-2016 (R202x), Electric Lamps - Double-Capped Fluorescent Lamps - Safety Specifications (reaffirmation of ANSI C78.1195-2016)

This standard adopts IEC 61195, ed2.2 (2014-09) as a Nationally Acknowledged International Standard with deviations.

Single copy price: \$62.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.1199-2016 (R202x), Electric Lamps - Single-Capped Fluorescent Lamps - Safety Specifications (reaffirmation of ANSI C78.1199-2016)

This standard adopts IEC 61199, ed3.2 (2014-07) as a Nationally Acknowledged International Standard with deviations.

Single copy price: \$62.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.1501-2016 (R202x), Electric Lamps - Tungsten-Halogen Lamps with G22 Bases and 63.5 mm LCL (reaffirmation of ANSI C78.1501-2016)

This scope defines the dimensional limits and other physical characteristics required to ensure interchangeability and assist in the proper application of a specific category of tungsten-halogen lamps with G22 bases and 63.5 mm nominal light center length.

Single copy price: \$116.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C78.62035-2016 (R202x), Electric Lamps - Discharge Lamps (Excluding Fluorescent Lamps) - Safety Specifications (reaffirmation of ANSI C78.62035-2016)

This standard adopts IEC 62035 (2014-04) Ed. 2.0 as a Nationally Acknowledged International Standard with deviations for the safety specifications of discharge lamps (excluding fluorescent lamps).

Single copy price: \$62.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.42-2009 (S202x), Electric Lamps - High-Pressure Sodium Lamps (stabilized maintenance of ANSI C78.42-2009 (R2016))

This standard sets forth the physical and electrical requirements for HPS lamps, to ensure performance and interchangeability. The data given also provide the basis for the electrical requirements for ballasts and ignitors, as well as the lamp-related requirements for luminaires. This standard covers only single-ended HPS lamps. Lamps with internal starting devices are not covered. This standard does include "improved color" HPS lamps (those lamps that have a color rendering index ≥ 60 and that operate on the same ballasts as the conventional lamps that they are intended to replace). However, color is not a standardized parameter. Luminous flux is not a standardized parameter either. This standard covers only 60 Hz operation of HPS lamps, on ballasts designed for HPS lamps.

Single copy price: \$612.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.180-2003 (S202x), Electric Lamps - Specifications for Fluorescent Lamp Starters (stabilized maintenance of ANSI C78.180-2003 (R2016))

This standard is intended to cover performance of glow switch starters used with preheat-type fluorescent and similar discharge lamps. It does not include starters that are an integral part of a lamp or manually operated switches that may be used for lamp starting.

Single copy price: \$122.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.391-2004 (S202x), Electric Lamps - Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (stabilized maintenance of ANSI C78.391-2004 (R2016))

This standard sets forth the physical and electrical characteristics of those groups of subminiature incandescent lamps with T1 and T1-3/4 bulb shapes. Lamps with various base or termination configurations are included.

Single copy price: \$65.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.682-1997 (S202x), Electric Lamps - Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps (stabilized maintenance of ANSI C78.682-1997 (R2016))

This standard specifies details of the type of thermocouple to be used to measure the pinch temperature of quartz-tungsten-halogen lamps, the methods of preparation of the lamp and thermocouple, and the measurement to be made. Single copy price: \$122.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.1401-2004 (S202x), Electric Lamps - Dimensions for Projection Lamps - Double-Contact, Medium Ring (Special B), Base-up Type (stabilized maintenance of ANSI C78.1401-2004 (R2016))

This standard establishes the dimensions essential to the interchangeability of lamps of the double-contact, medium ring (Special B), base-up type. It is not intended to prescribe either operating characteristics or details of design, such as the shape of the ventilation ports or the method of attachment of the prefocus ring to the base.

Single copy price: \$50.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.1430-1997 (S202x), Electric Lamps - Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1430-1997 (R2016))

This standard consolidates the lamps commonly used for slide projectors into a single standard. The lamps contained in this standard are not to be considered as interchangeable, although physically they will all fit the common GX5.3 sockets. The photometry of each lamp is dependent upon the system for which it was designed and on the system in which it is used. A sample system and representative photometric values are found in the Annex.

Single copy price: \$65.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C78.1431-1997 (S202x), Electric Lamps - Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY 5.3 Bases (stabilized maintenance of ANSI C78.1431-1997 (R2016))

This standard consolidates the lamps commonly used for slide projectors into a single standard. The lamps contained in this standard are not to be considered as interchangeable. Physically, they will all fit the common socket used for these lamps. The photometry of each lamp is dependent upon the system for which it was designed and on the system in which it is used. A sample system and representative photometric values are found in the Annex.

Single copy price: \$50.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

Send comments (copy psa@ansi.org) to: Same

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314 | e: standards@phta.org, w: www.PHTA.org

New Standard

BSR/PHTA/ICC-10-202x, Standard for Elevated Pools, Spas, and Other Aquatic Venues Integrated into a Building or Structure (new standard)

The provisions of this standard shall apply to the construction, alteration, relocation, renovation, replacement, repair and maintenance of aquatic recreation facilities, pools and spas that are permanently installed as an integral part of an existing building or structure over a habitable, occupiable, or unoccupied space.

Single copy price: Free

Obtain an electronic copy from: standards@phta.org

Send comments (copy psa@ansi.org) to: standards@phta.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | e: kcooney@scte.org, w: www.scte.org

Reaffirmation

BSR/SCTE 79-2-2016 (R202x), DOCSIS 2.0 Part 2: Operations Support System Interface (reaffirmation of ANSI/SCTE 79-2-2016)

This specification defines the Network Management requirements to support a DOCSIS 2.0 environment. More specifically, the specification details the SNMPv3 protocol and how it coexists with SNMP v1/v2. The RFCs and Management Information Base (MIB) requirements are detailed as well as interface numbering, filtering, event notifications, etc. Basic network-management principles such as account, configuration, fault, and performance management are incorporated in this specification for better understanding of managing a high-speed cable modem environment.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | e: kcooney@scte.org, w: www.scte.org

Reaffirmation

BSR/SCTE 79-3-2017 (R202x), DOCSIS 2.0 + IPv6 Cable Modem Standard (reaffirmation of ANSI/SCTE 79-3-2017)

This document is an extension to the DOCSIS 2.0 family of standards, which define high-speed data-over-cable systems. This present document provides IPv6 provisioning and management functionality for DOCSIS 2.0 CMs, connected IPv6 eSAFES, and external CPE devices. The term DOCSIS 2.0+IPv6 CM is used to represent such Cable Modems.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: August 23, 2021

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | e: kcooney@scte.org, w: www.scte.org

Revision

BSR/SCTE 107-202x, Embedded Cable Modem Devices (revision of ANSI/SCTE 107-2017)

This specification defines additional features that must be added to a DOCSIS Cable Modem for implementations that embed the Cable Modem with another application, such as a PacketCable MTA.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (copy psa@ansi.org) to: admin@standards.scte.org

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | e: KSimpson@tileusa.com, w: www.tcnatile.com

Revision

BSR A326.3-202x, Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials (revision of ANSI A326.3-2017)

This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials.

Single copy price: Free

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

Addenda

BSR/TIA 942-B-1-202x, Telecommunications Infrastructure Standard for Data Centers - Addendum 1: Edge Data Centers (addenda to ANSI/TIA 942-B-2017)

This addendum specifies requirements for the telecommunications infrastructure of data centers referred to as Edge Data Centers (EDCs), utilizing structures, enclosures or spaces to contain facilities for networking, computing, storage, and access.

Single copy price: \$88.00

Obtain an electronic copy from: TIA (standards-process@tiaonline.org)

Order from: TIA, standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: Same

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

Revision

BSR/TIA 606-D-202x, Administration Standard for Telecommunications Infrastructure (revision and redesignation of ANSI/TIA 606-C-2017)

This Standard specifies administration systems for telecommunications infrastructure within buildings (including commercial, industrial, residential, and data center premises) and between buildings. This infrastructure may range in size from a building requiring a single telecommunications space (TS) and associated elements, to many TSs and associated elements in multiple campus locations. This Standard applies to administration of telecommunications infrastructure in existing, renovated, and new buildings.

Single copy price: \$200.00

Obtain an electronic copy from: TIA (standards-process@tiaonline.org)

Order from: TIA, standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 23, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Tony.Partridge@ul.org, w: <https://ul.org/>

New Standard

BSR/UL 248-18-202X, Low-Voltage Fuses - Part 18: Class CD Fuses (new standard)

Proposed first edition of the Standard for Low-Voltage Fuses - Part 18: Class CD Fuses.

Single copy price: Free

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

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

Send comments (copy 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)

47173 Benicia Street, Fremont, CA 94538 | e: Linda.L.Phinney@ul.org, w: <https://ul.org/>

New Standard

BSR/UL 2263-202X, Standard for Safety for Electric Vehicle Cable (new standard)

Proposed first edition of the Standard for Safety for Electric Vehicle Cable.

Single copy price: Free

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

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

Send comments (copy 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)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | e: sabrina.khreibtov@ul.org, w: <https://ul.org/>

Reaffirmation

BSR/UL 103-2012 (R202x), Standard for Safety for Factory-Built Chimneys for Residential Type and Building Heating

Appliances (reaffirmation and redesignation of ANSI/UL 103-2012 (R2017))

Reaffirmation and continuance of the 11th edition of the Standard for Factory-Built Chimneys for Residential Type and Building Heating Appliances, UL 103, as an 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 (copy 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)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | e: sabrina.khreibtov@ul.org, w: <https://ul.org/>

Reaffirmation

BSR/UL 1666-2012 (R202x), Standard for Safety for Test for Flame Propagation Height of Electrical and Optical-Fiber Cables

Installed Vertically in Shafts (reaffirmation and redesignation of ANSI/UL 1666-2012 (R2017))

Reaffirmation and continuance of the 5th Edition of the Standard for Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts, UL 1666, as an 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 (copy 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: August 23, 2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | e: Susan.P.Malohn@ul.org, w: <https://ul.org/>

Reaffirmation

BSR/UL 62108-2017 (R202x), Standard for Concentrator Photovoltaic (CPV) Modules and Assemblies - Design Qualification and Type Approval (reaffirmation of ANSI/UL 62108-2017)

(1) Reaffirmation and continuance of the second edition of the Standard for Concentrator Photovoltaic (CPV) Modules and Assemblies - Design Qualification and Type Approval, UL 62108, as a 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 (copy 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 | e: Tony.Partridge@ul.org, w: <https://ul.org/>

Revision

BSR/UL 248-13-202X, Low-Voltage Fuses - Part 13: Semiconductor Fuses (revision of ANSI/UL 248-13-2005 (R2020))

Proposed third edition of the Standard for Low-Voltage Fuses - Part 13: Semiconductor Fuses.

Single copy price: Free

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

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

Send comments (copy 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 | e: kelly.smoke@ul.org, w: <https://ul.org/>

Revision

BSR/UL 858-202x, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2019)

(1) Remote closed-loop cooking control; (2) Proposed Revision to replace the references to the Standard for Power Conversion Equipment, UL 508C, with reference to the Standard for Adjustable Speed Electric Power Drive Systems, UL 61800-5-1; (3) Update to add 240-V leakage current requirements; (4) Proposal for remote safety firmware/safety software updates.

Single copy price: Free

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

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

Send comments (copy 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: September 7, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | e: ansibox@asme.org, w: www.asme.org

Revision

BSR/ASME B89.4.19-202x, Performance Evaluation of Laser-Based Spherical Coordinate Measurement Systems (revision of ANSI/ASME B89.4.19-2006 (R2015))

This Standard prescribes methods for the performance evaluation of laser-based spherical coordinate measurement systems and provides a basis for performance comparisons among such systems.

Single copy price: Free

Order from: <https://cstools.asme.org/cconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Justin Cassamassino; cassamassinoj@asme.org

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

BSR/ASTM WK72690-202x, New Specification for Protective Headgear Standard for Baseball Pitchers (new standard)
Inquiries may be directed to Laura Klineburger; accreditation@astm.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: azeoli@nsf.org, w: www.nsf.org

BSR/NSF 455-2-202x (i17r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
Inquiries may be directed to Amanda Zeoli; azeoli@nsf.org

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.

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

180 Technology Parkway, Peachtree Corners, GA 30092 | e: mweber@ashrae.org, w: www.ashrae.org

Addenda

ANSI/ASHRAE Addendum 55e-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum 55f-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum 62.1f-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 160-2016, Criteria for Moisture-Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160-2016) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum d to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum e to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE/IES Addendum ab to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 6/30/2021

Addenda

ANSI/ASHRAE/IES Addendum b to ANSI/ASHRAE/IES Standard 90.2-2018, Energy Efficient Design of Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018) Final Action Date: 6/30/2021

Reaffirmation

ANSI/ASHRAE Standard 203-2018 (R2021), Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (reaffirmation of ANSI/ASHRAE Standard 203-2018) Final Action Date: 6/30/2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 | e: cking@ashrae.org, w: www.ashrae.org

Revision

ANSI/ASHRAE Standard 153-2021, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves (revision of ANSI/ASHRAE Standard 153-2015) Final Action Date: 6/30/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | e: accreditation@astm.org, w: www.astm.org

New Standard

ANSI/ASTM E1546-2021, Guide for Development of Fire-Hazard-Assessment Standards (new standard) Final Action Date: 7/1/2021

Revision

ANSI/ASTM D7719-2021a, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2021) Final Action Date: 7/1/2021

Revision

ANSI/ASTM E1678-2021, Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analysis (revision of ANSI/ASTM E1678-2015) Final Action Date: 7/1/2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | e: jrosario@aws.org, w: www.aws.org

New Standard

ANSI/AWS B2.1-4-217-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Chromium- Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 7/1/2021

New Standard

ANSI/AWS B2.1-4-218-2021, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium- Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 7/1/2021

New Standard

ANSI/AWS B2.1-4-219-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2 and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 7/1/2021

New Standard

ANSI/AWS B2.1-4-220-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515 and ER80S-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 7/1/2021

New Standard

ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 7/1/2021

AWS (ASC Z49) (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | e: steveh@aws.org, w: www.aws.org

Revision

ANSI/AWS Z49.1-2021, Safety in Welding, Cutting and Allied Processes (revision of ANSI/AWS Z49.1-2012) Final Action Date: 7/2/2021

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | e: polson@awwa.org, w: www.awwa.org

Revision

ANSI/AWWA C560-2021, Cast-Iron Slide Gates (revision, redesignation and consolidation of ANSI/AWWA C560-2014) Final Action Date: 7/1/2021

Revision

ANSI/AWWA C561-2021, Fabricated Stainless-Steel Slide Gates (revision of ANSI/AWWA C561-2014) Final Action Date: 7/1/2021

Revision

ANSI/AWWA C562-2021, Fabricated Aluminum Slide Gates (revision of ANSI/AWWA C562-2014) Final Action Date: 7/1/2021

Revision

ANSI/AWWA C563-2021, Fabricated Composite Slide Gates (revision of ANSI/AWWA C563-2014) Final Action Date: 7/1/2021

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | e: marianne.waickman@asse-plumbing.org, w: www.

Revision

ANSI/ASSE Series 6000-2021, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2018) Final Action Date: 7/6/2021

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005 | e: pmcgillicuddy@ies.org, w: www.ies.org

New Standard

ANSI/IES RP-44-2021, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) (new standard) Final Action Date: 7/1/2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)

700 K Street NW, Suite 600, Washington, DC 20001 | e: comments@standards.incits.org, w: www.incits.org

New Standard

INCITS 572-2021, Information technology - UAS-3 USB Attached SCSI - 3 (UAS-3) (new standard) Final Action Date: 7/6/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Revision

ANSI/NSF 358-1-2021 (i6r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020) Final Action Date: 6/29/2021

Revision

ANSI/NSF 455-2-2021 (i13r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 6/23/2021

PDA (Parenteral Drug Association)

Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814 | e: roberts@pda.org, w: www.pda.org

New Standard

ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction (new standard) Final Action Date: 6/10/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Jonette.A.Herman@ul.org, w: https://ul.org/

Reaffirmation

ANSI/UL 697-2012 (R2021), Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012 (R2016)) Final Action Date: 7/1/2021

Revision

ANSI/UL 561-2021, Standard for Safety for Floor Finishing Machines (revision of ANSI/UL 561-2011 (R2018)) Final Action Date: 6/29/2021

Revision

ANSI/UL 778-2021, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2020) Final Action Date: 6/29/2021

Revision

ANSI/UL 60335-2-8-2021, Standard for Safety for Household & Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers & Similar Appliances (revision of ANSI/UL 60335-2-8-2018) Final Action Date: 6/29/2021

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 developer directly in a timely manner.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | e: standards@cleanpower.org, w: www.cleanpower.org
Michele Mihelic; standards@cleanpower.org

BSR/ACP 61400-5-202x, Wind energy generation systems - Part 5: Wind turbine blades
(identical national adoption of IEC 61400-5:2020)

BSR/ACP 61400-27-1-202x, Wind energy generation systems - Part 27-1: Electrical simulation models (identical national adoption of IEC 61400-27-1:2020)

BSR/ACP 61400-27-2-202x, Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation (identical national adoption of IEC 61400-27-2:2020)

BSR/ACP 61400-12-1 2016 (R202x), Power Performance Measurements of Electricity Producing Wind Turbines (reaffirmation and redesignation of ANSI/AWEA 61400-12-1 2016)

AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC 20036 | e: mwilliams@aham.org, w: www.aham.org
Matthew Williams; mwilliams@aham.org

BSR/AHAM 60704-2-13-202x, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods and other cooking fume extractors (national adoption with modifications of IEC 60704-2-13)

BSR/AHAM 60704-2-19-202x, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-19: Particular requirements for air cleaners (national adoption with modifications of IEC 60704-2-19)

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | e: Everett.bradshaw@nace.org, w: www.nace.org
Everett Bradshaw; Everett.bradshaw@nace.org

BSR/AMPP TM0416-202x/ISO 22858-202x, Corrosion of metals and alloys - Electrochemical measurements - Test method for monitoring atmospheric corrosion (identical national adoption of ISO 22858:2020)

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | e: dorf@aptech.org, w: www.printtechnologies.org
Debra Orf; dorf@aptech.org

BSR CGATS.22-202x, Graphic technology - Spectral reflection metrology - Certified reference materials - Documentation and procedures for use, including determination of combined standard uncertainty (new standard)

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | e: standards@acousticalsociety.org, w: www.acousticalsociety.org
Nancy Blair-DeLeon; standards@acousticalsociety.org

BSR/ASA S12.9-2005/Part 4-202x, Quantities and Procedures for Description and Measurement of Environmental Sound, Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI/ASA S12.9-2005/Part 4 (R2020))

ASA (ASC S2) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | e: standards@acousticalsociety.org, w: www.acousticalsociety.org

Nancy Blair-DeLeon; standards@acousticalsociety.org

BSR/ASA S2.75-202x/Part 3, Shaft Alignment Methodology, Part 3: Alignment of Vertically Oriented Rotating Machinery (new standard)

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

180 Technology Parkway, Peachtree Corners, GA 30092 | e: tmlisle@ashrae.org, w: www.ashrae.org
Tanisha Meyers-Lisle; tmlisle@ashrae.org

BSR/ASHRAE Standard 150-202X, Method of Testing the Performance of Cool Storage Systems (revision of ANSI/ASHRAE Standard 150-2019)

BSR/ASHRAE Standard 173-202X, Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors (revision of ANSI/ASHRAE Standard 173-2012 (R2016))

EOS/ESD (ESD Association, Inc.)

7900 Turin Road, Building 3, Rome, NY 13440 | e: cearl@esda.org, w: www.esda.org

Christina Earl; cearl@esda.org

BSR/ESD STM11.13-202x, ESD Association Draft Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Two-Point Resistance Measurement (revision of ANSI/ESD STM11.13-2018)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Jason Snider; jsnider@nsf.org

BSR/NSF 14-202x (i115r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

BSR/NSF 42-202x (i114r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)

BSR/NSF 49-202x (i135r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

BSR/NSF 51-202x (i17r1), Food Equipment Materials (revision of ANSI/NSF 51-2019)

BSR/NSF 55-202x (i57r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)

BSR/NSF 455-2-202x (i21r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)

BSR/NSF 455-3-202x (i28r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: rbrooker@nsf.org, w: www.nsf.org

BSR/NSF 455-4-202x (i35r1), Good Manufacturing Practices for Over-the-Counter Drugs
(revision of ANSI/NSF 455-4-2019)

SERI (Sustainable Electronics Recycling International)

PO Box 721, Hastings, MN 55033 | e: sean@sustainableelectronics.org, w: www.sustainableelectronics.org
Sean DeVries; sean@sustainableelectronics.org

BSR/SERI R2v3.1-202x, The Sustainable Electronics Reuse & Recycling (R2) Standard
(revision and redesignation of ANSI/SERI R2-V3-2020)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

Teesha Jenkins; standards-process@tiaonline.org

BSR/TIA 606-D-202x, Administration Standard for Telecommunications Infrastructure (revision
and redesignation of ANSI/TIA 606-C-2017)

BSR/TIA 942-B-1-202x, Telecommunications Infrastructure Standard for Data Centers -
Addendum 1: Edge Data Centers (addenda to ANSI/TIA 942-B-2017)

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

ACP - American Clean Power Association

ACP Clean Power Environmental, Health, and Safety Standards Committee (EHSSC)

The **ACP Wind Environmental, Health, and Safety Standards Committee** has approved by ballot an update to the name and scope of the subcommittee. The **ACP Clean Power Environmental, Health, and Safety Standards Committee (EHSSC)** prepares consensus standards, and related documents to facilitate EHS process and procedures relevant to worker safety, and environmental stewardship. The EHSSC is a leader in the development and industry acceptance of such standards. Our focus is to provide new standards for specific United States clean power industries, with consideration to or adoption of relevant national or international standards, and to represent industry needs with other standards organizations that affect clean power. The Clean Power EHSSC Subordinate Groups develop structures-related design standards, recommended practices, and technical reports as needed for the clean power industry.

The EHSSC is putting out a call for participation. Specifically, the committee is seeking participation from consultants, general interest, and producers. The EHSSC Application is online:

<https://cleanpower.org/wp-content/uploads/2021/07/ACP-EHSSC-Application.pdf>

Please email: standards@cleanpower.org with questions.

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 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

Call for Members (ANS Consensus Bodies)

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 or by e-mail from 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 or by e-mail from standards@scte.org.

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ASSP (ASC A10) - American Society of Safety Professionals Safety Requirements for Construction and Demolition Operations

Effective July 2, 2021

The reaccreditation of **ASSP (ASC A10) - American Society of Safety Professionals**

Safety Requirements for Construction and Demolition Operations has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASSP (ASC A10)-sponsored American National Standards, effective **July 2, 2021**. For additional information, please contact: Tim Fisher, Director, Practices and Standards, American Society of Safety Professionals (ASSP (ASC A10)) - 520 N. Northwest Highway, Park Ridge, IL 60068 (847) 768-3411 tfisher@assp.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

B11 Standards, Inc.

July 2021 In Place Meeting Times

The ANSI-accredited **B11 Standards Development Committee**, administered by the Secretariat (B11 Standards, Inc.), will hold its semi-annual meeting on **21-22 July 2021** at Gleason in NY.

The B11 Standards Development Committee is an ANSI-accredited standards development committee on the broad topic of machinery safety, and the purpose of this meeting is to discuss ongoing issues and the business of the B11 SDC. This meeting is open to anyone with an interest in safety and the safe use of machines, however, any voting will be restricted to full members of this Committee. While this meeting is an open meeting, attendance is subject to strict SARS-Cov2 protocols in place at Gleason.

The B11.0 Subcommittee will hold a meeting on **20-22 July 2021** at Gleason in NY. While this meeting is an open meeting, attendance is subject to strict SARS-Cov2 protocols in place at Gleason.

If you have an interest in participating in either of these meetings as an observer or would like more information, please contact David Felinski at (832-446-6999); (dfelinski@b11standards.org).

American National Standards (ANS) Process

Please visit ANSI's website (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 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)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): 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
- Accreditation information – for potential developers of American National Standards (ANS): 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
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: 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

If you have a question about the ANS process and cannot find the answer, please email us at: psa@ansi.org. Please also visit Standards Boost Business at 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)

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, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at psa@ansi.org.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
www.aafs.org

Teresa Ambrosius
tambrosius@aafs.org

ACI

American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
www.concrete.org

Shannon Banchemo
shannon.banchemo@concrete.org

ACP

American Clean Power Association
1501 M Street NW
Suite 900
Washington, DC 20005
www.cleanpower.org

Michele Mihelic
standards@cleanpower.org

AGA (ASC B109)

American Gas Association
400 N. Capitol St., NW
Suite 450
Washington, DC 20001
www.aga.org

Luis Escobar
lescobar@aga.org

AHAM

Association of Home Appliance
Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
www.aham.org

Matthew Williams
mwilliams@aham.org

AMPP

Association for Materials Protection and
Performance
15835 Park Ten Place
Houston, TX 77084
www.nace.org

Everett Bradshaw
Everett.bradshaw@nace.org

APTech (ASC CGATS)

Association for Print Technologies
1896 Preston White Drive
Reston, VA 20191
www.printtechnologies.org

Debra Orf
dorf@aptech.org

ASA (ASC S12)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
www.acousticalsociety.org

Nancy Blair-DeLeon
standards@acousticalsociety.org

ASA (ASC S2)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
www.acousticalsociety.org

Nancy Blair-DeLeon
standards@acousticalsociety.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>

Jean Walsh
walsh@asabe.org

ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org

Carmen King
cking@ashrae.org

Emily Toto
etoto@ashrae.org

Mark Weber
mweber@ashrae.org

Ryan Shanley
rshanley@ashrae.org

Tanisha Meyers-Lisle
tmlisle@ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016
www.asme.org

Terrell Henry
ansibox@asme.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

AWS

American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166
www.aws.org

Jennifer Rosario
jrosario@aws.org

ANSI-Accredited Standards Developers Contact Information

AWS (ASC Z49)

American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166
www.aws.org
Stephen Hedrick
steveh@aws.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org
Paul Olson
polson@awwa.org

CSA

CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org
David Zimmerman
ansi.contact@csagroup.org

DSI

Dental Standards Institute, Inc.
109 Bushaway Road
Suite 100
Wayzata, MN 55391
<https://dentalstandardsinstitute.com/>
Bryan Laskin
bryan@upgradedental.com

EOS/ESD

ESD Association, Inc.
7900 Turin Road
Building 3
Rome, NY 13440
www.esda.org
Christina Earl
cearl@esda.org

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
www.asse-plumbing.org
Marianne Waickman
marianne.waickman@asse-plumbing.org
Terry Burger
terry.burger@asse-plumbing.org

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
www.ies.org
Patricia McGillicuddy
pmcgillicuddy@ies.org

ITI (INCITS)

InterNational Committee for Information
Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
www.incits.org
Barbara Bennett
comments@standards.incits.org

NEMA (ASC C78)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
www.nema.org
Michael Erbesfeld
Michael.Erbesfeld@nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org
Allan Rose
arose@nsf.org
Jason Snider
jsnider@nsf.org
Monica Leslie
mleslie@nsf.org
Rachel Brooker
rbrooker@nsf.org

PDA

Parenteral Drug Association
Bethesda Towers, 4350 East-West
Highway
Suite 600
Bethesda, MD 20814
www.pda.org
Christine Alston-Roberts
roberts@pda.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
www.scte.org
Kim Cooney
kcooney@scte.org

SERI

Sustainable Electronics Recycling
International
PO Box 721
Hastings, MN 55033
www.sustainableelectronics.org
Sean DeVries
sean@sustainableelectronics.org

TCNA (ASC A108)

Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
www.tcnatile.com
Katelyn Simpson
KSimpson@tileusa.com

TIA

Telecommunications Industry Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
www.tiaonline.org
Teesha Jenkins
standards-process@tiaonline.org

UL

Underwriters Laboratories
12 Laboratory Drive
P.O. Box 13995
Research Triangle Park, NC 27709
<https://ul.org/>
Doreen Stocker
Doreen.Stocker@ul.org

UL

Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
<https://ul.org/>
Anne Marie Jacobs
annemarie.jacobs@ul.org
Jonette Herman
Jonette.A.Herman@ul.org

ANSI-Accredited Standards Developers Contact Information

Kelly Smoke
kelly.smoke@ul.org

Nicolette Weeks
Nicolette.A.Weeks@ul.org

Tony Partridge
Tony.Partridge@ul.org

UL

Underwriters Laboratories
171 Nepean Street
Suite 400
Ottawa, ON K2P 0
<https://ul.org/>

Sabrina Khrebtov
sabrina.khrebtov@ul.org

UL

Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062
<https://ul.org/>

Amy Walker
Amy.K.Walker@ul.org

Jeff Prusko
jeffrey.prusko@ul.org

Susan Malohn
Susan.P.Malohn@ul.org

UL

Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
<https://ul.org/>

Linda Phinney
Linda.L.Phinney@ul.org

Marcia Kawate
Marcia.M.Kawate@ul.org

Paul Lloret
Paul.E.Lloret@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

Acoustics (TC 43)

ISO/DIS 362-1, Acoustics - Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 1: M and N categories - 11/8/2027, \$146.00

ISO/DIS 362-3, Acoustics - Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 3: Indoor testing M and N categories - 11/8/2027, \$134.00

Agricultural food products (TC 34)

ISO/DIS 23318, Milk, dried milk products and cream - Determination of fat content - Gravimetric method - 9/23/2021, \$93.00

ISO/FDIS 5530-1, Wheat flour - Physical characteristics of doughs - Part 1: Determination of water absorption and rheological properties using a farinograph - 11/6/2012, \$107.00

ISO/FDIS 5530-2, Wheat flour - Physical characteristics of doughs - Part 2: Determination of rheological properties using an extensograph - 11/6/2012, \$125.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 23129, Space systems - Thermal control coatings for spacecraft - Atomic oxygen protective coatings on polyimide film - 11/12/2007, \$77.00

ISO/DIS 23312, Space systems - Detailed space debris mitigation requirements for spacecraft - 11/7/2028, \$77.00

Cycles (TC 149)

ISO/DIS 8562, Cycles - Stem wedge angle - 11/7/2028, \$33.00

Dentistry (TC 106)

ISO/DIS 22683, Dentistry - Adaptability test between implant body and implant abutment in dental implant systems - 11/7/2029, \$33.00

Ergonomics (TC 159)

ISO/FDIS 11228-1, Ergonomics - Manual handling - Part 1: Lifting, lowering and carrying - 11/10/2017, \$134.00

Fasteners (TC 2)

ISO/FDIS 4014, Fasteners - Hexagon head bolts - Product grades A and B - 11/8/2023, \$62.00

ISO/FDIS 4015, Fasteners - Hexagon head bolts with reduced shank (shank diameter - pitch diameter) - Product grade B - 11/8/2023, \$46.00

ISO/FDIS 4016, Fasteners - Hexagon head bolts - Product grade C - 11/8/2023, \$53.00

ISO/FDIS 4017, Fasteners - Hexagon head screws - Product grades A and B - 11/8/2023, \$58.00

ISO/FDIS 4018, Fasteners - Hexagon head screws - Product grade C - 11/8/2023, \$46.00

ISO/FDIS 8676, Fasteners - Hexagon head screws, with metric fine pitch thread - Product grades A and B - 11/7/2024, \$58.00

ISO/FDIS 8765, Fasteners - Hexagon head bolts, with fine pitch thread - Product grades A and B - 11/7/2024, \$58.00

ISO/DIS 898-2, Fasteners - Mechanical properties of fasteners made of carbon steel and alloy steel - Part 2: Nuts with specified property classes - 9/23/2021, \$93.00

Footwear (TC 216)

ISO/DIS 20537, Footwear - Vocabulary for identification of defects during visual inspection - 11/8/2027, \$62.00

Gas cylinders (TC 58)

ISO/FDIS 10286, Gas cylinders - Vocabulary -, \$175.00

ISO/DIS 11515.2, Gas cylinders - Refillable composite reinforced tubes of water capacity between 450 L and 3000 L - Design, construction and testing - 11/7/2029, \$112.00

Geotechnics (TC 182)

ISO/DIS 22476-1, Geotechnical investigation and testing - Field testing - Part 1: Electrical cone and piezocone penetration tests - 11/2/2025, \$102.00

Information and documentation (TC 46)

ISO/DIS 30302, Information and documentation - Management systems for records - Guidelines for implementation - 9/23/2021, \$98.00

Machine tools (TC 39)

ISO/FDIS 19085-3, Woodworking machines - Safety - Part 3: Numerically controlled (NC/CNC) boring and routing machines - 11/8/2014, \$155.00

ISO/DIS 19085-5, Woodworking machines - Safety - Part 5: Dimension saws - 11/7/2028, \$125.00

ISO/DIS 19085-6, Woodworking machines - Safety - Part 6: Single spindle vertical moulding machines (toupies) - 11/7/2028, \$134.00

Photography (TC 42)

ISO/FDIS 18947-2, Imaging materials and prints - Abrasion resistance - Part 2: Rub testing of photographic prints - 11/5/2012, \$67.00

Railway applications (TC 269)

ISO/FDIS 22752, Railway applications - Bodyside windows for rolling stock - 11/11/2004, \$112.00

Rubber and rubber products (TC 45)

ISO/DIS 23711, Elastomeric seals - Requirements for materials for pipe joint seals used in water and drainage applications - Thermoplastic elastomers - 11/8/2000, \$58.00

Timber (TC 218)

ISO/DIS 13061-8, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 8: Determination of ultimate strength in shearing parallel to grain - 11/8/2000, \$40.00

Timber structures (TC 165)

ISO/DIS 23478, Bamboo structures - Engineered bamboo products - Test methods for determination of physical and mechanical properties - 11/8/2000, \$93.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/FDIS 22867, Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles - 11/9/2009, \$98.00

ISO/DIS 24120-1, Irrigation and drainage equipment and systems - Guideline on the implementation of pressurized irrigation systems - Part 1: General principles of irrigation - 11/7/2028, \$98.00

Traditional Chinese medicine (TC 249)

ISO/DIS 23965, Traditional Chinese Medicine - Bupleurum chinense, Bupleurum scorzonerifolium and Bupleurum falcatum root - 11/7/2029, \$82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18033-7, Information technology - Security techniques - Encryption algorithms - Part 7: Tweakable block ciphers - 11/8/2000, \$67.00

ISO/IEC FDIS 18181-2, Information technology - JPEG XL image coding system - Part 2: File format - 11/12/2019, \$67.00

ISO/IEC/IEEE FDIS 8802-1X, Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1X: Port-based network access control -, \$215.00

IEC Standards

46/823/NP, PNW 46-823 ED1: Specification for the testing of balanced and coaxial information technology cabling - Part 4: Installed balanced single pair cabling as specified in ISO/IEC 1801-1 and related standards, 09/24/2021

47F/384/FDIS, IEC 62047-40 ED1: Semiconductor devices - Micro-electromechanical devices - Part 40: Test methods of micro-electromechanical inertial shock switch threshold, 08/13/2021

61/6307/NP, PNW 61-6307 ED1: Household and similar electrical appliances - Safety - Part 2-XX: Particular requirements for stationary training appliances, 09/24/2021

65E/795/CD, IEC 63365 ED1: Digital Nameplate - Digital Product Marking, 09/24/2021

86B/4490/CD, IEC 61754-37 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 37: Type MDC connector family, 08/27/2021

86B/4492/DTR, IEC TR 63367 ED1: Fibre optic interconnecting devices and passive components - Summarising results of round robin on connector end face scratch recognition and verification by automated microscopes, 08/27/2021

86C/1730/NP, PNW 86C-1730 ED1: Fibre optic active components and devices - Package and interface standards - Part 22: 25 Gbit/s directly modulated laser packages with temperature control unit, 09/24/2021

87/772/NP, PNW 87-772 ED1: Ultrasonics - Shearwave elastography - Part 1: Specifications for the user interface, 09/24/2021

99/320/CD, IEC TS 61936-0 ED1: Power installations exceeding 1 kV AC and 1,5 kV DC - Part 0: Principles to be observed in the design and erection of high voltage installations - Safety of high voltage installations, 09/24/2021

Alarm systems (TC 79)

79/646(F)/FDIS, IEC 60839-11-33 ED1: Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on Web services, 07/23/2021

Degrees of protection by enclosures (TC 70)

70/157/FDIS, IEC 62262/AMD1 ED1: Amendment 1 - Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code), 08/13/2021

Documentation and graphical symbols (TC 3)

3/1519/NP, PNW 3-1519 ED1: Interactive Electronic Service Manual, 09/24/2021

3/1520/NP, PNW 3-1520 ED1: Interactive Electronic Fault Diagnosis Manual, 09/24/2021

Electric traction equipment (TC 9)

9/2713(F)/CDV, IEC 62590-3-1 ED1: Railway applications - Fixed installations - Electronic power converters - Part 3-1: AC traction applications - Electronic power compensators, 08/20/2021

Electrical accessories (TC 23)

23B/1359/NP, PNW 23B-1359 ED1: Fixed accessories intended for household and similar purposes that supply power through an interface, 09/24/2021

23K/61/CD, IEC 63345 ED1: Energy Efficiency Systems - Simple External Consumer Display, 09/24/2021

Electromagnetic compatibility (TC 77)

77B/843/CD, IEC 61000-4-6 ED5: Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields, 09/24/2021

Fibre optics (TC 86)

86B/4470/CDV, IEC 61300-1 ED5: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance, 09/24/2021

86C/1721/CDV, Fibre optic active components and devices - Basic test and measurement procedures - Part 6: Universal mezzanine boards for test and measurement of photonic devices, 09/24/2021

86C/1728/CD, IEC 61290-1 ED2: Optical amplifiers - Test methods - Part 1: Power and gain parameters, 09/24/2021

86C/1729/NP, PNW 86C-1729 ED1: Fibre Optic Sensors - Part 1-2: Strain measurement - Distributed sensing, 09/24/2021

86C/1731/CD, IEC TR 61292-1 ED3: Optical amplifiers - Part 1: Parameters of optical fibre amplifier components, 09/24/2021

Fire hazard testing (TC 89)

89/1535(F)/FDIS, IEC 60695-2-10 ED3: Fire hazard testing - Part 2 -10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure, 07/16/2021

Industrial-process measurement and control (TC 65)

65E/794/NP, PNW 65E-794 ED1: Industrial-Process Measurement, Control and Automation - Identification Link, 08/27/2021

Lamps and related equipment (TC 34)

34B/2113/CDV, IEC 60061-PR2021-1 ED3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Revision of 7004-21A-3 for E26, 7004-24A-2 for E39 and 7004-26-3 for E17, 09/24/2021

Measuring equipment for electromagnetic quantities (TC 85)

85/797/CD, IEC TS 63383 ED1: Cybersecurity aspects of devices used for power metering and monitoring, power quality monitoring, data collection and analysis, 09/24/2021

Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (TC 106)

106/550/CDV, IEC 62232 ED3: Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure, 09/24/2021

Nuclear instrumentation (TC 45)

45A/1391(F)/FDIS, IEC 63186 ED1: Nuclear power plants - Instrumentation and control systems important to safety - Criteria for seismic trip system, 07/23/2021

45A/1393/NP, PNW 45A-1393 ED1: Nuclear Power Plants - Instrumentation and control systems important to safety - Platform qualification, 09/24/2021

Performance of household electrical appliances (TC 59)

59N/3/NP, PNW 59N-3 ED1: Household and similar electrical air cleaning appliances - Method for measuring performance - Part 2 -2: Particular requirements for determination of chemical gas reduction, 09/24/2021

Safety of Electronic Equipment within the Field of Audio/Video, Information Technology and Communication Technology (TC 108)

108/755/CD, IEC 62368-1 ED4: Audio/video, information and communication technology equipment - Part 1: Safety requirements, 09/24/2021

Safety of hand-held motor-operated electric tools (TC 116)

116/519/FDIS, IEC 62841-2-1/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-1: Particular requirements for hand-held drills and impact drills, 08/13/2021

Safety of household and similar electrical appliances (TC 61)

61/6308/NP, PNW 61-6308 ED1: Household and similar electrical appliances - Safety - Particular requirements for commercial electric washing machines, 09/24/2021

Semiconductor devices (TC 47)

47/2706/FDIS, IEC 63244-1 ED1: Semiconductor devices - Semiconductor devices for wireless power transfer and charging - Part 1: General requirements and specifications, 08/13/2021

47/2707/NP, PNW 47-2707 ED1: Semiconductor devices - Measurement and evaluation methods of kinetic energy harvesting devices under practical vibration environment - Part 3: Human foot impact motion, 09/24/2021

47/2708/CD, IEC 63150-2 ED1: Semiconductor devices - Measurement and evaluation methods of kinetic energy harvesting devices under practical vibration environment - Part 2: Human arm swing motion, 09/24/2021

47F/385/CD, IEC 62047-42 ED1: Semiconductor devices - Micro-electromechanical devices - Part 42: Measurement methods of electro-mechanical conversion characteristics of piezoelectric MEMS cantilever, 09/24/2021

Steam turbines (TC 5)

5/239/CDV, IEC 60953-0 ED1: Rules for steam turbine thermal acceptance tests - Part 0: Wide range of accuracy for various types and sizes of turbines, 09/24/2021

5/240/CDV, Rules for steam turbine thermal acceptance tests - Part 3: Thermal performance verification tests of retrofitted steam turbines, 09/24/2021

Superconductivity (TC 90)

90/478(F)/FDIS, IEC 61788-23 ED2: Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade Nb superconductors, 07/23/2021

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/433/CD, IEC 60947-5-7 ED2: Low-voltage switchgear and controlgear - Part 5-7: Control circuit devices and switching elements - Requirements for proximity devices with analogue output, 08/27/2021

ISO/IEC JTC 1, Information Technology

CABPUB/193/DTS, ISO/IEC DTS 170021-14 Conformity assessment - Requirements for auditing and certification of management systems - Part 14: Competence requirements for auditing and certification of management systems for records, 09/24/2021

CIS/D/474/CD, CISPR 12 ED7: Vehicles, boats and devices with internal combustion engines or traction batteries - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers, 09/24/2021

SyCSmartEnergy/161/NP, PNW TS SYCSMARTENERGY-161 ED1: Guide and plan to develop a unified IEC Smart energy Ontology, 09/24/2021

JTC1-SC25/3047A/CD, ISO/IEC 14543-5-104 ED1: Information technology ? Home Electronic System (HES) architecture - Part 5 -104: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - RA server-based smart lock application, 08/20/2021

JTC1-SC25/3048/CD, ISO/IEC 14543-5-103 ED1: Information technology - Home Electronic System (HES) architecture - Part 5 -103: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - RA smart audio interconnection profile, 08/27/2021

JTC1-SC41/234/CD, ISO/IEC TS 30168 ED1: Internet of Things (IoT) - Generic Trust Anchor Application Programming Interface for Industrial IoT Devices, 08/27/2021



Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

[ISO 10052:2021](#), Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method, \$175.00

[ISO 17201-6:2021](#), Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound, \$149.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 13541:2021](#), Space data and information transfer systems - Attitude data messages, \$225.00

[ISO 15864:2021](#), Space systems - General test methods for spacecraft, subsystems and units, \$175.00

[ISO 18441:2021](#), Space data and information transfer systems - Space link extension - Application program interface for transfer services - Core specification, \$250.00

[ISO 21077:2021](#), Space data and information transfer systems - Digital motion imagery, \$175.00

[ISO 22669:2021](#), Space data and information transfer systems - Space link extension (SLE) - Return-all-frames service specification, \$250.00

[ISO 22670:2021](#), Space data and information transfer systems - Space link extension (SLE) - Return-channel-frames service specification, \$250.00

[ISO 22671:2021](#), Space data and information transfer systems - Space link extension (SLE) - Forward communications link transmission unit (CLTU) service specification, \$250.00

[ISO 22672:2021](#), Space data and information transfer systems - Space link extension (SLE) - Forward space packet service specification, \$250.00

[ISO 26143:2021](#), Space data and information transfer systems - Space link extension (SLE) - Return operational control fields service specification, \$250.00

BUILDING CONSTRUCTION (TC 59)

[ISO 23869:2021](#), Building and civil engineering sealants - Determination of self-levelling properties, \$48.00

[ISO 15928-7:2021](#), Houses - Description of performance - Part 7: Accessibility and usability, \$73.00

CERAMIC TILE (TC 189)

[ISO 10545-10:2021](#), Ceramic tiles - Part 10: Determination of moisture expansion, \$48.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

[ISO 23162:2021](#), Basic semen examination - Specification and test methods, \$175.00

CORK (TC 87)

[ISO 10106:2021](#), Cork stoppers - Determination of global migration, \$48.00

DENTISTRY (TC 106)

[ISO 10873:2021](#), Dentistry - Denture adhesives, \$111.00

FIRE SAFETY (TC 92)

[ISO 22899-1:2021](#), Determination of the resistance to jet fires of passive fire protection materials - Part 1: General requirements, \$200.00

FLUID POWER SYSTEMS (TC 131)

[ISO 6195:2021](#), Fluid power systems and components - Cylinder-rod wiper-ring housings in reciprocating applications - Dimensions and tolerances, \$111.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 12647-9:2021](#), Graphic technology - Process control for the production of half-tone colour separations, proof and production prints - Part 9: Metal decoration printing processes using offset lithography, \$111.00

INDUSTRIAL FANS (TC 117)

[ISO 12759-5:2021](#), Fans - Efficiency classification for fans - Part 5: Jet fans, \$73.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 15253:2021](#), Ophthalmic optics and instruments - Optical and electro-optical devices for enhancing low vision, \$149.00

[ISO 11146-1:2021](#), Lasers and laser-related equipment - Test methods for laser beam widths, divergence angles and beam propagation ratios - Part 1: Stigmatic and simple astigmatic beams, \$111.00

[ISO 11146-2:2021](#), Lasers and laser-related equipment - Test methods for laser beam widths, divergence angles and beam propagation ratios - Part 2: General astigmatic beams, \$111.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

[ISO 788:2021](#), Ultramarine pigments, \$73.00

PLASTICS (TC 61)

[ISO 19095-6:2021](#), Plastics - Evaluation of the adhesion interface performance in plastic-metal assemblies - Part 6: Accelerated degradation test, \$73.00

ROAD VEHICLES (TC 22)

[ISO 3911:2021](#), Wheels and rims for pneumatic tyres - Vocabulary, designation and marking, \$149.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 248-1:2021](#), Rubber, raw - Determination of volatile-matter content - Part 1: Hot-mill method and oven method, \$73.00

[ISO 10619-2:2021](#), Rubber and plastics hoses and tubing - Measurement of flexibility and stiffness - Part 2: Bending tests at sub-ambient temperatures, \$73.00

SMALL CRAFT (TC 188)

[ISO 8847:2021](#), Small craft - Steering gear - Cable over pulley systems, \$149.00

WATER QUALITY (TC 147)

[ISO 22104:2021](#), Water quality - Determination of microcystins - Method using liquid chromatography and tandem mass spectrometry (LC-MS/MS), \$175.00

WATER RE-USE (TC 282)

[ISO 20468-5:2021](#), Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 5: Membrane filtration, \$149.00

ISO Technical Reports**SOLID RECOVERED FUELS (TC 300)**

[ISO/TR 21916:2021](#), Solid recovered fuels - Guidance for the specification of solid recovered fuels (SRF) for selected uses, \$250.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 30167:2021](#), Internet of Things (IoT) - Underwater communication technologies for IoT, \$222.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 14443-2/Cor1:2021](#), Cards and security devices for personal identification - Contactless proximity objects - Part 2: Radio frequency power and signal interface - Technical Corrigendum 1, FREE

[ISO/IEC 19566-5/Amd1:2021](#), Information technologies - JPEG systems - Part 5: JPEG universal metadata box format (JUMBF) - Amendment 1: Support for embedding mixed codestreams, \$20.00

[ISO/IEC 19566-6/Amd1:2021](#), Information technologies - JPEG systems - Part 6: JPEG 360 - Amendment 1: Addition of new JPEG 360 image types and accelerated ROI rendering, \$20.00

[ISO/IEC 8824-1:2021](#), Information technology - Abstract Syntax Notation One (ASN.1) - Part 1: Specification of basic notation, \$250.00

[ISO/IEC 8824-2:2021](#), Information technology - Abstract Syntax Notation One (ASN.1) - Part 2: Information object specification, \$175.00

[ISO/IEC 8824-3:2021](#), Information technology - Abstract Syntax Notation One (ASN.1) - Part 3: Constraint specification, \$73.00

[ISO/IEC 8824-4:2021](#), Information technology - Abstract Syntax Notation One (ASN.1) - Part 4: Parameterization of ASN.1 specifications, \$111.00

[ISO/IEC 8825-1:2021](#), Information technology - ASN.1 encoding rules - Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER), \$175.00

[ISO/IEC 8825-2:2021](#), Information technology - ASN.1 encoding rules - Part 2: Specification of Packed Encoding Rules (PER), \$225.00

[ISO/IEC 8825-3:2021](#), Information technology - ASN.1 encoding rules - Part 3: Specification of Encoding Control Notation (ECN), \$250.00

[ISO/IEC 8825-4:2021](#), Information technology - ASN.1 encoding rules - Part 4: XML Encoding Rules (XER), \$225.00

[ISO/IEC 8825-5:2021](#), Information technology - ASN.1 encoding rules - Part 5: Mapping W3C XML schema definitions into ASN.1, \$225.00

[ISO/IEC 8825-6:2021](#), Information technology - ASN.1 encoding rules - Part 6: Registration and application of PER encoding instructions, \$111.00

[ISO/IEC 8825-7:2021](#), Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER), \$149.00

[ISO/IEC 8825-8:2021](#), Information technology - ASN.1 encoding rules - Part 8: Specification of JavaScript Object Notation Encoding Rules (JER), \$175.00

[ISO/IEC 23127-1:2021](#), Information technology - Learning, education, and training - Metadata for facilitators of online learning - Part 1: Framework, \$73.00

[ISO/IEC 17760-103:2021](#), Information technology - AT Attachment - Part 103: Title missing, \$443.00

[ISO/IEC/IEEE 8802-1AE/Cor1:2021](#), Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1AE: Media access control (MAC) security - Technical Corrigendum 1: Information technology - Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1AE: Media access control (MAC) security - TECHNICAL CORRIGENDUM 1: Tag control information figure, FREE

IEC Standards

FIBRE OPTICS (TC 86)

[IEC 61280-1-3 Ed. 3.0 en:2021](#), Fibre optic communication subsystem test procedures - Part 1-3: General communication subsystems - Measurement of central wavelength, spectral width and additional spectral characteristics, \$183.00

[S+ IEC 61280-1-3 Ed. 3.0 en:2021 \(Redline version\)](#), Fibre optic communication subsystem test procedures - Part 1-3: General communication subsystems - Measurement of central wavelength, spectral width and additional spectral characteristics, \$239.00

MAGNETIC ALLOYS AND STEELS (TC 68)

[IEC 60404-6 Amd.1 Ed. 3.0 b:2021](#), Amendment 1 - Magnetic materials - Part 6: Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100 kHz by the use of ring specimens, \$13.00

[IEC 60404-6 Ed. 3.1 b:2021](#), Magnetic materials - Part 6: Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100 kHz by the use of ring specimens, \$266.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 60747-5-6 Ed. 2.0 en:2021](#), Semiconductor devices - Part 5-6: Optoelectronic devices - Light emitting diodes, \$417.00

[S+ IEC 60747-5-6 Ed. 2.0 en:2021 \(Redline version\)](#), Semiconductor devices - Part 5-6: Optoelectronic devices - Light emitting diodes, \$543.00

International Electrotechnical Commission (IEC)

USNC Participants and USNC TAG Administrator Needed

IEC Subcommittee (SC) 59N: Electrical Air Cleaners for Household and Similar Purposes

Response Deadline: August 6, 2021

IEC approved one (1) new Committee: *IEC Subcommittee (SC) 59N: Electrical air cleaners for household and similar purposes*

Individuals who are interested in becoming a USNC Technical Advisory Group (TAG) participant or the USNC TAG Administrator for the USNC TAG to IEC/SC 59N: Electrical air cleaners for household and similar purposes are invited to contact Ade Gladstein at agladstein@ansi.org by **COB on Friday, August 6**.

Please see the scope for IEC/SC 59N below:

Scope

- *To prepare international standards on performance measurement methods for electrical air cleaners for household and similar purposes.*
- *NOTE 1: Cooking fume extractors are covered by SC 59K.*
- *NOTE 2: Health care equipment is under the scope of IEC TC 62 (Electrical equipment in medical practice).*

International Organization for Standardization (ISO)

International (ISO) Secretariat Transfer

ISO TC 104 - Freight Containers

Reply Deadline: August 6, 2021

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 104—*Freight Containers*. ANSI directly administers the Secretariat for ISO/TC 104 with the support of MHI. MHI has advised ANSI to relinquish its role as Secretariat for this committee beginning in 2022. Outreach was conducted within the current US/TAG membership and Emerson, a US/TAG member, has indicated its commitment to continue to fund ANSI for its role in directly administering the Secretariat. The US/TAG has approved this transfer from MHI to Emerson.

ISO/TC 104 operates under the following scope:

Standardization of freight containers, having an external volume of one cubic meter (35.3 cubic feet) and greater, as regards terminology, classification, dimensions, specifications, handling, test methods and marking.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

Transfer of TAG Administrator – U.S. TAG to ISO

ISO/TC 104 - Freight Containers, ISO/TC 104/SC 1 - General Purpose Containers, ISO/TC 104/SC 4 - Identification and Communication

Reply Deadline: August 6, 2021

ANSI has been informed that MHI, the ANSI-accredited U.S. TAG Administrator for ISO/TC 104, ISO/TC 104/SC 1, ISO/TC 104/SC 2, and ISO/TC 104/SC4, wishes to relinquish their role as U.S. TAG Administrator effective December 31, 2021. Emerson, current US/TAG member, has committed to taking on the role as US/TAG Administrator beginning on January 1, 2022. The US/TAG has approved this transfer.

ISO/TC 104 and its SCs operate under the following scope:

Standardization of freight containers, having an external volume of one cubic meter (35.3 cubic feet) and greater, as regards terminology, classification, dimensions, specifications, handling, test methods and marking.

Organizations wishing to comment on the transfer of US/TAG Administrators from MHI to Emerson should contact ANSI's ISO Team (isot@ansi.org).

Registration of Organization Names in the United States

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

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Public Review: June 25 through September 27, 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.

Proposed Foreign Government Regulations

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 or notifyus@nist.gov.

EXPLANATION OF TECHNICAL CHANGES TO ESD STM11.13-202X

Tolerances added to electrode specifications to align with IEC values. Track changes shown.

6.0 TEST EQUIPMENT**6.1 Two-Point Probe**

Refer to Figure 1 and Table 1.

This two-point probe consists of an insulated metal body with a PTFE insulator inserted into each end. PTFE is used because of excellent dielectric properties. One insulator holds test leads; the other holds receptacles that accept spring-loaded pins. One receptacle is surrounded by a cylindrical insulator, which is surrounded by a metal shield. The pins are gold plated and have a spring force of 4.7 Newton + 10% at a travel of 4.3 ± 0.1 mm. The pin tips are machined to accept friction fitted 3.2 ± 0.1 mm diameter electrically conductive rubber electrodes or conductive rubber boots. The rubber has a Shore-A durometer hardness of 50-70 (ASTM Method D2240). Electrode volume resistivity is < 500 ohm-cm. The electrodes are spaced 6.4 mm center to center.

6.4 Test Leads

Test leads appropriate for the meter are required. A shielded lead from the probe body to the instrument will greatly reduce electrical interference. Measurements for the qualification of this test method were made using a shielded lead. See Figure 2.

Table 1. Materials for Two-Point Probe

NOTE: This is not intended to be a complete materials list for probe construction but does provide key elements that enable performance replication. Refer to Figure 1 for part placement. The manufacturers' names and part numbers are for reference only. Equivalent parts may be used.

PTFE Insulators	Approximately 25.4 mm by 12.7 mm diameter	
Electrode Shield	Metal tubing approx. 32 mm by 4.8 mm $\pm 10\%$ diameter.	
Electrode Insulator	Heat shrinkable PTFE or another insulator.	
Receptacles	Receptacle – with solder cup.	Interconnect Devices, Inc. R-5-SC
Pins	Spring Pins 4.7 Newton $\pm 10\%$ at 4.3 ± 0.1 mm travel. Tip machined to accept electrode.	Interconnect Devices, Inc. S-5-F-16.4-G
Electrodes	3.2 ± 0.1 mm by 3.2 ± 0.1 mm diameter conductive material with a Shore A (IRHD) durometer hardness between 50 and 70. Volume resistivity to be < 500 ohm-cm.	Vanguard Products, VC-7815

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NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

9 Quality Assurance

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Table 9.30
PVC and PVCO pipe and fittings for underground fire service test frequency

Test	Pipe	Coupling	Gasket
pipe outside diameter	2 h	—	—
wall thickness	2 h	—	—
out-of-roundness ⁴	2 h	—	—
hydrostatic pressure test	annually ¹	annually ¹	—
leak test for joints	annually ¹	annually ¹	—
assembly test	annually ¹	annually ¹	—
flattening test	annually ¹	—	—
impact resistance test	weekly	—	—
longitudinal tensile strength test	annually ¹	—	—
long term hydrostatic pressure test	annually ¹	—	—
extrusion quality test	annually ¹	—	—
light and water test	qualification ²	—	—
production line burst test	each ³	each ³	—
minimum tensile strength test	—	—	annually ¹
ultimate elongation	—	—	annually ¹
maximum set	—	—	annually ¹
product standard(s)	UL 1285	UL 1285	UL 157

¹ Annual testing shall be performed on one representative size and pressure class of each type of pipe.

² Light and water test shall be performed at the initial qualification on each pipe material and whenever a change of material occurs.

³ Each length of pipe and each coupling shall be tested according to Section 22 of UL 1285.

⁴ OOR requirement does not apply to PVCO pipe.

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking Water Treatment Units – Aesthetic Effects

7 Elective performance claims – Test methods

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7.3 Chemical reduction testing

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7.3.3 Chlorine reduction testing

7.3.3.1 Claims

Claims for chlorine reduction may be made when tested in accordance with Section 7.3.3. To qualify for a chlorine reduction claim, the system shall reduce the concentration of chlorine from the influent challenge so that, prior to the final sample point establishing capacity, ~~400% sample point~~, 90% of the product water sample concentrations demonstrate a greater than or equal to 50.0% reduction of the influent water concentration. ~~are less than or equal to the maximum product water concentrations in Table 7.3.~~ Samples collected at the final sample point establishing capacity shall demonstrate a greater than or equal to 50.0% reduction of the influent water concentration. ~~400% sample point shall be greater than or equal to the percent reduction requirement in Table 7.3.~~

7.3.3.1.1 Chlorine reduction claim

The systems shall reduce an influent challenge concentration of 2.0 mg/L FAC by a minimum of 50%.

7.3.3.1.2 Taste and odor reduction claims

Taste and odor reduction claims shall be allowed only for activated carbon systems that meet the requirements of Section 7.3.3 for chlorine reduction. For activated carbon systems that also contain an additional chlorine reactive media, the chlorine reduction test shall be performed using a test system that does not contain the additional media in order to make the taste and odor reduction claim.

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**Table 7.3
Chlorine reduction**

	Average influent challenge concentration	Individual influent sample point limits¹	Percent reduction requirement	Compound
chlorine	2.0 mg/L ± 10%	2.0 mg/L ± 20%	≥ 50%	sodium hypochlorite

¹ Equals average influent challenge concentration variability plus one of the following, in order of availability:

1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate US EPA Method.
2. Acceptable spike recoveries as stated in the appropriate US EPA Method.
3. Opinion of laboratory professionals – No guidance available in US EPA Method.

7.3.5.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and Section 7.3.5.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50% on / 50% off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 min.

7.3.5.8 Sampling

Collection of influent challenge and product water samples shall begin during the on portion of the cycle after the passage of 10 unit volumes of the influent challenge and at 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, and 100%, and ~~120%~~ of the estimated capacity.

7.3.6 pH adjustment testing

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Rationale: Revised language per 2021 DWTU JC meeting discussion (May 12, 2021) to clarify that 90% of the sampling points prior to and at the final sample point establishing capacity must show a percent reduction of greater than or equal to 50%. This ballot also revises section 7.3.5.8, which incorrectly listed a sampling point at 120% capacity. NSF/ANSI 42 only requires sampling to 100% of the estimated capacity.

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NSF/ANSI Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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5 Design and construction

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5.25.3 Type B cabinet exhaust alarm

Type B cabinets shall be exhausted by a remote fan. Once the cabinet is set or certified in its acceptable airflow range, audible and visual alarms shall activate within 15 seconds of exhaust volume loss exceeding 20%. The internal cabinet fan(s) shall be interlocked to shut off within 15 seconds of exhaust volume loss exceeding 20%. Type B cabinets shall not initiate cabinet blower startup until sensors determine appropriate exhaust flow.

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Normative Annex 1 (formerly Annex A)

Performance tests

N-1.13.4.3 Power failure stability

The difference between the initial inflow velocity and the final inflow velocity shall not exceed 3 ft/min (0.015 m/s). The difference between the initial downflow velocity and the final downflow velocity shall not exceed 3 ft/min (0.015 m/s). The cabinet ~~blower and lights~~ shall come back on automatically when power is restored. The cabinet blower shall come back on automatically when powered is restored, except in the case of a Type B cabinet when sensors determine there is insufficient exhaust flow. Alarm parameters (if so equipped) shall remain unchanged from the set points prior to power loss. The cabinet shall provide the user with a visual indication that there was a loss of power.

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Rationale: This revised language clarifies the cabinet function priorities, reducing the possibility of inference that Type B blower initiation requirements come before the power loss requirements with Type B cabinets.

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Issue 17, Revision 2 (June 2021)

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NSF/ANSI Standard
for Food Equipment –

Food Equipment Materials

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4 Material formulation

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4.2 Requirements for specific types of materials

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4.2.4.4 Glass, other than light fixtures, that may be subject to contact during use and routine maintenance and cleaning shall conform:

- to the impact test in ANSI Z97.1 for Class A glass; or
- to the impact test within ANSI/UL 197; or
- to the impact test within BS857:1967.

The thickness and type of the glass used in each end-use application shall be equal to the glass representing compliance to the applicable impact criteria.

4.2.5 Wood

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Rationale: Thickness of the glass will affect the impact performance. The additional language ensures this is captured and helps maintain consistent alignment of glass test data to glass being used.

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NSF/ANSI Standard for Drinking Water Treatment Units –

Ultraviolet Microbiological Water Treatment Systems

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8 Instructions and information

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8.1 Installation, operation, and maintenance instructions

8.1.1 Information setting forth complete, detailed instructions for installation, operation, and maintenance shall be provided with each system. Specific information shall include:

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- use limitations;
- model number of UV lamp or module (if applicable);
- required replacement intervals of UV lamp(s) or module(s) (if applicable) in accordance with the manufacturer's instructions;
- for Class A systems, a warning to boil water in a failure situation;

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8.2 Data plate

8.2.1 A permanent plate or label shall be affixed in a readily accessible location on the system and shall contain, at a minimum, the following information:

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- maximum operating temperature in °C (°F);
- model number of UV lamps or module (if applicable);
- maximum operating feed water temperature in °C (°F);
- applicable warning signs;
- a use limitations statement: "See instruction manual for use conditions";
- maximum flow rate in LPM (GPM or GPD);
- operational voltage, amperage, and Hertz of the system;
- required replacement intervals of UV lamp(s) or module(s) (if applicable); and
- the following applicable statement:

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Tracking number 55i57r1
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Revision to NSF/ANSI 55-2020
Issue 57 Revision 1 (June 2021)

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Rationale: NSF/ANSI 55 was updated in 2019 to include testing systems with LED bulbs. However, the literature section was not updated to reflect some of the language of the requirements. It was suggested at the 2021 DWTU JC meeting to add “or modules” to be more inclusive.

Tracking number 455-2i21r1 et al
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Multiple revisions for 455-2i21r1, 455-3i28r1, 455-4i35r1

Revision to NSF/ANSI 455-2-2020
Issue 21 Revision 1 (June 2021)

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.4 Audit planning

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5.4.5 Information to be provided to the CB for audit preparation

The site shall supply the CB with background information at least one week prior to the site visit to ensure the auditor(s) is prepared to conduct an efficient audit. The information requested by the CB shall **should** include, but is not limited to:

- organization chart;
- site plan;
- process flow diagram;
- list of products and technologies included in the scope of the audit;
- typical shift / schedule patterns;
- standard operating procedure index / table of contents;
- regulatory inspection history (past five years); and
- site regulatory registration.

If the previous NSF/ANSI 455 certification audit was performed by another CB, the site shall provide the previous year's audit report with corrective action plans to the newly contracted CB.

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

NSF/ANSI Standard
for GMP for Over-the-Counter Drugs –

Good Manufacturing Practices for Over-the-Counter Drugs

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5 Audit process

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5.4 Audit planning

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5.4.5 Information to be provided to the CB for audit preparation

The site shall supply the CB with background information at least one week prior to the site visit to ensure the auditor(s) is prepared to conduct an efficient audit. The information requested by the CB ~~may~~ **should** include, but is not limited to:

- organization chart;
- site plan;
- process flow diagram;
- list of products and technologies included in the scope of the audit;
- typical shift / schedule patterns;
- standard operating procedure index / table of contents;
- regulatory inspection history (past five years); and
- site regulatory registration.

If the previous NSF/ANSI 455 certification audit was performed by another CB, the site shall provide the previous year's audit report with corrective action plans to the newly contracted CB.

BSR/UL 1839 Standard for Automotive Battery Booster Cables

1. Addition of requirements for coin and button cell batteries in booster cables

PROPOSAL

8.1.7 Batteries that are provided as part of the clamp shall be suitable for the application and be of the coin or button cell type. The overall voltage shall be 12 V or less. The batteries shall be contained within a battery compartment to protect the cells. Retention of the batteries shall be in accordance with the requirements in Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, with the exception that the Pre-conditioning parameters are replaced with the Aging test in this document and the drop test is replaced by the drop test in this document.

8.1.8 The battery compartment indicated in 8.1.7 shall be complete with no openings and shall be formed of plastic that complies with the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C, and has flame rating of HB minimum.

8.2.1 Three samples of the insulated clamp are to be subjected to a low-temperature exposure consisting of minus $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (minus $40^{\circ}\text{F} \pm 4^{\circ}\text{F}$) for one hour. The samples are then dropped 1500 mm (5 ft) onto a concrete surface. The low temperature exposure shall be minus $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (minus $40^{\circ}\text{F} \pm 4^{\circ}\text{F}$) for a rating of minus 40°C . Following this exposure, the samples are to be subjected to the Dielectric voltage-withstand test in Section 8.8. If batteries are provided with the clamps, the batteries shall be removed for this test.

Exception: A low temperature exposure of minus $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (minus $13^{\circ}\text{F} \pm 4^{\circ}\text{F}$) used for a temperature rating of minus 25°C (minus 13°F) is an alternate temperature to minus 40°C (minus 40°F) when the clamps are marked as specified in 12.1(d).

8.2.2 Following exposure to this condition:

- a) There shall not be significant deterioration of physical properties of the integrally coated insulation as determined by a visual examination for the presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing the surface of the metal clamp.
- b) There shall not be significant deterioration of physical properties of the nonmetallic clamp material as determined by a visual examination for the presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing conductive parts. Additionally, the clamp shall continue to comply with 8.1.2.

UL 1839

July 9, 2021

c) When batteries are provided with the clamps, there shall be no damage or deterioration to the battery compartment that would allow the coin/button batteries to be expelled or allow access to the batteries.

8.3.1 Three samples of the insulated clamp are to be subjected to an elevated temperature exposure for seven days at $100^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($212^{\circ}\text{F} \pm 4^{\circ}\text{F}$). Following this exposure, the samples are to be subjected to the Dielectric voltage-withstand test in Section 8.8. If batteries are provided with the clamps, the batteries shall be removed for this test.

8.3.2 Following exposure to this condition:

a) There shall not be significant deterioration of physical properties of the integrally coated insulation as determined by a visual examination for the presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing the surface of the metal clamp.

b) There shall not be significant deterioration of physical properties of the nonmetallic clamp material as determined by a visual examination for the presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing conductive parts. Additionally, the clamp shall continue to comply with 8.1.2.

c) When batteries are provided with the clamps, there shall be no damage or deterioration to the battery compartment that would allow the coin/button batteries to be expelled or allow access to the batteries.

8.5.1 Three samples of the insulated clamp are to be subjected to a seven-day vapor exposure of a solution of dilute sulfuric acid having a specific gravity of 1.2 at 38°C (100°F). The samples and solution are to be placed in a $38^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($100^{\circ}\text{F} \pm 4^{\circ}\text{F}$) ambient. Following this exposure, the samples are to be subjected to the Dielectric voltage-withstand test in Section 8.8. If batteries are provided with the clamps, the batteries shall be removed for this test.

8.5.2 Following exposure to this condition:

a) There shall not be significant deterioration of physical properties of the integrally coated insulation as determined by a visual examination for the presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing the surface of the metal clamp.

b) There shall not be significant deterioration of physical properties of the nonmetallic clamp material as determined by a visual examination for the

UL 1839

July 9, 2021

presence of cracks, peeling, deformation, eroding, excessive wear, or other imperfections of the insulating material that result in exposing conductive parts. Additionally, the clamp shall continue to comply with 8.1.2.

c) When batteries are provided with the clamps, there shall be no damage or deterioration to the battery compartment that would allow the coin/button batteries to be expelled or allow access to the batteries.

13.20.1 The instructions for a cable assembly that contains a button or coin cell battery shall comply with the requirements in Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A.

2. Requirements for Service Booster Cable Assemblies

PROPOSAL

1.1 These requirements cover battery booster cable sets used for providing a temporary connection of a surface vehicle battery of up to 24 volts to another similar battery to provide emergency starting power when required. These battery booster cable sets are designated as general use booster cables sets and service booster cable sets.

5.1 For the purpose of these requirements the following definitions apply. The term booster cable is used to represent both general use booster cable sets and service booster cables sets.

5.1.1 BOOSTER CABLE SET, GENERAL USE – a cable set that consists of clamps at both ends for temporary connection to a supply battery and a depleted battery. The cable set may be provided with a middle connector.

5.1.2 BOOSTER CABLE SET, SERVICE – a cable set that consists of clamps at one end for temporary connection to the depleted battery but provided with terminations that are permanently connected to the supply battery. A middle connector is required to be provided for disconnection of the clamp side of the cable set when not in use.

5.8 TERMINATION – a connector that is affixed to the wire of a cable set and used to connect to the battery terminals of a supply battery.

6.7 General use booster cables shall be provided with clamps on both ends of the booster cable assembly. Service booster cables shall be provided with clamps on one end of the cable set and terminations that allow permanent connection to a battery on the opposite end. A suitable middle connector is required for all service booster cables.

6.8 When terminations are provided, they shall be suitably rated for the conductor type and ampacity of the booster cable assembly and they shall be suitable for the wire size involved. Terminations shall be in accordance with UL 486A-486B, Wire Connectors.

UL 1839

July 9, 2021

13.3 The instructions indicated in 13.6—13.21 13.5 shall be provided on a permanent tag that is secured to the battery booster cable set. The tag shall be attached in such a way that it is not easily removable.

13.5 For all general purpose booster cable sets, the content of the tag instructions shall include the information described in 13.6 – 13.21. For service booster cable sets, the content of the tag instructions shall include the information described in 13.22 – 13.32. The text of the instructions shall be verbatim or in equally definitive terminology. This information is to be preceded by the heading “INSTRUCTION FOR JUMP STARTING AN ENGINE.”

13.22 “WARNING – BATTERIES PRODUCE EXPLOSIVE GASES.”

13.23 “Note – Consult Automobile Owner's Manual and Follow All Instructions.”

13.24 “SHIELD EYES AND FACE FROM BATTERIES AT ALL TIMES. BE SURE VENT CAPS ARE TIGHT AND LEVEL. PLACE DAMP CLOTH OVER ANY VENT CAPS ON BOTH BATTERIES. HANDLE CLOTH CAREFULLY – DO NOT ALLOW CLOTH TO COME IN CONTACT WITH EYES, SKIN OR CLOTHING. BE SURE VEHICLES DO NOT TOUCH AND BOTH ELECTRICAL SYSTEMS ARE OFF AND THE SAME VOLTAGE.”

13.25 “Be careful to avoid moving fan blades.”

13.26 “Check polarity of battery posts. POSITIVE (POS, P, +) battery post usually has larger diameter than NEGATIVE (NEG, N, -) post.”

13.27 “Determine which post of battery is grounded (connected) to the chassis. If negative post is grounded, connect the service booster cable as indicated in the following instructions. If the positive post is grounded, this service booster cable cannot be used.

13.28 “Connect positive (+) cable to positive (+) terminal of discharged battery wired to starter or solenoid.”

13.29 “Connect the middle connector of the service booster cable set.”

13.30 “MAKE FINAL CONNECTION ON ENGINE BLOCK OF STALLED VEHICLE (NOT TO NEGATIVE POST) AWAY FROM BATTERY. STAND BACK.”

13.31 “Start vehicle and remove cables in reverse order of connection by disconnecting engine block connection first. After cables are removed, be sure to appropriately store the disconnected cable assembly end until the next use.”

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13.32 The tag instructions are to include a diagram illustrating the connection procedure.

13.33 Service booster cables shall additionally be provided with written instructions on how to properly install the service booster cable set to the service vehicle. These instructions may appear on the packaging in accordance with 14.12.

14.12 The installation instructions in 13.33 may be provided on the packaging of the booster cable set. When provided on the packaging, the booster cable set shall be provided with a stuffer sheet or temporary tag on the cable indicating that the instructions are on the packaging.

3. Substitute Material For Copper Used In Booster Cables

PROPOSAL

6.1 Conductors shall be of copper per the Standard Specification for Soft or Annealed Copper Wire, ASTM B3; or the Standard Specification for Soft or Annealed Copper Wire for Electrical Purposes, ASTM B33; or copper clad aluminum per the Standard Specifications for Copper-Clad Aluminum Wire, ASTM B566; or conductors shall be Rare Earth Aluminum Alloy. The conductors shall comply with the specifications in Table 6.1 and the applicable tests for cables in Section 7.

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BSR/UL 2075, Standard for Safety for Gas and Vapor Detectors and Sensors**PROPOSAL****2. One Year Sensor Stability Test for Gas Sensors****(NEW)****33.4 One Year (minimum) Sensor Stability Test for Gas Sensors**

33.4.1 General

33.4.1.1 A minimum fifteen samples of the gas sensor shall be placed within a closed chamber (test fixture) that shall allow for the following:

- a) Logging of the manufacturer's defined sensor output parameters;
- b) Control of the rate of gas injection to reach the target gas concentration within 3 minutes;
- c) Recommended/supporting electronic detection circuitry, which shall be supplied by the sensor manufacturer for each gas sensor under test;
- d) Application of the target gas concentration for a minimum of one year as follows:
 - 1) For sensors intended to detect carbon monoxide (CO), all sensors shall be exposed to a minimum of 15 ± 3 ppm of CO for a minimum of one year.
 - 2) For sensors intended to detect gases at flammable or combustible concentrations before toxic or asphyxiant levels are achieved the following shall be required:
 - i) The manufacturer shall identify each specific gas type that the sensor is intended to detect;
 - ii) Sensor data from the manufacturer shall be provided demonstrating the sensor's performance when subject to each gas specified in item (i);
 - iii) Unless the manufacturer identifies the sensor's ability to speciate gas types, at a minimum, 15 gas sensor samples shall be subjected to Methane and 15 gas sensor samples shall be subjected to propane;
 - iv) The test gases specified in item (iii) may be changed or additional gases added to the test program if data from items (i) and (ii) demonstrate that additional gases and/or concentrations may be required;
 - v) The test gas concentration for each gas used during testing shall be a minimum of $60 \text{ ppm} \pm 5 \text{ ppm}$;
 - vi) When applicable, the sensor manufacturer shall provide sensor data that details the sensors' cross-sensitivity performance when calibrated to a specific gas.
 - 3) For gases other than those specified in 33.4.1.1 (d) (1) and (2) and with gas concentrations that are toxic before becoming flammable, combustible or being considered an asphyxiant, the following shall be required:

- i) Minimum 15 sensors shall be subjected to each gas type that the product is intended to detect;
- ii) The manufacturer shall provide information on the intended application and additional cross-sensitivity gas(es) which the sensor is intended to detect.
- iii) The sensor manufacturer shall provide sensor data that details the sensor's response to each gas type and the sensor's performance range when subject to each gas as specified in (i) and (ii);
- iv) The test gas concentration shall be set at the Time Weighted Average (TWA) gas concentration:
 - A. As defined in the NIOSH Pocket Guide to Chemical Hazards or,
 - B. If more than one TWA value is provided in the NIOSH Pocket Guide to Chemical Hazards, the lowest TWA gas concentration shall be used or,
 - C. The gas supplier's TWA as specified in the Material Safety Data Sheet (MSDS) shall be used if a TWA gas concentration value is not defined in the NIOSH Pocket Guide to Chemical Hazards or,
 - D. The manufacturer may identify response limits that represent a detection response faster than the TWA,
 - E. In no case shall the performance of the sensor exceed the TWA response limits as specified in item (iv).

(NEW)

33.4.2 Test Gas

33.4.2.1 The test gas concentration that envelopes the gas sensor shall be maintained as follows:

- a) If the target gas concentration flows directly from a gas cylinder onto the sensor, i.e., using a calibration cup provided by the manufacturer, the gas cylinder shall be within $\pm 2\%$ of the target concentration. The calibration record for the gas cylinder shall be based on the country specific traceability standard, or
- b) If the sensors are placed within a test chamber with the test gas diluted within the chamber to reach the target gas concentration, the gas concentration within the test chamber shall be maintained to within $\pm 5\% \pm 20\%$ of the target gas concentration.
- c) For items (a) and (b), the manufacturer shall demonstrate that the gas flow across the sensor or air movement within the chamber shows the;

- 1) Airflow is sufficient to uniformly mix the gas,
- 2) Airflow does not exceed $16 \pm 7\text{ft/min}$ ($4.88 \text{ m} \pm 2.1\text{m/min}$) or,
- 3) Airflow, if in excess of item (c) (2), may be increased or decreased but only if the change in airflow is verified to not affect the intended operation or manufacturer's performance specifications for the sensor. The increase in air flow shall only be used to provide a more homogeneous mixture of the test and/or target gas which may be heavier

or lighter than air, thus requiring a change in airflow. The airflow shall be set to the minimum level necessary to maintain a homogeneous mixture of the target gas.

d) The relative humidity for the test gas that envelopes the sensor or environment that the sensor is within shall be maintained at $50 \pm 20\%$ for the duration of the test.

e) The temperature for the test gas that envelopes the sensor or environment that the sensor is within shall be maintained at $23 \pm 3^{\circ}\text{C}$ ($73.4 \pm 5.4^{\circ}\text{F}$) for the duration of the test.

f) For manufacturer temperature and humidity specifications in excess of (d) and (e), ambient test conditions may also be conducted based on the manufacturer's specifications.

g) If the manufacturer's sensor specification document identifies recommended temperature and/or humidity compensation in excess of (d) and (e), then the tests noted in 33.4 shall also be conducted;

1) For a minimum of one year at the temperature and relative humidity as specified by the manufacturer;

2) With the manufacturer's provided compensation circuitry for each sensor.

h) If required by the gas supplier, gas cylinder maintenance procedures for gases that have a life expectancy or scheduled maintenance shall be provided.

33.4.2.2 For target gas concentrations exceeding 0.04% of the total gas concentration, Oxygen (O₂) measurements shall be recorded to demonstrate that the O₂ concentration remains at 20.9% within $\pm 5\%$ of accuracy.

33.4.2.3 The balance gas, either in the gas cylinder or within the test chamber, shall be as follows:

1) The sensor manufacturer shall identify the gas type, gas concentration and the balance gas concentration(s) that the sensor is intended to be subject to during normal operation,

2) For balance gas identified as "clean air," it shall be verified to consist of a composition not exceeding - 20.9% O₂ (Oxygen) - Balance N₂ (Nitrogen). With a target gas concentration as specified in 34.4.2.2, the gas cylinder calibration certificates may be used to verify that the balance gas used in the gas tests defined in 34.4.2.1 (a) and (b) are representative of clean air or the manufacturer's defined balance gas.

33.4.2.4 If the test gas concentrations and performance of the sensor are not altered or impaired, the sensor manufacture may provide alternative gas injection, gas maintenance, target gas and balance gas concentrations, methods, and ambient test conditions in addition to the requirements outlined within section 33.4.

(NEW)

33.4.3 Sensor Data Collection

33.4.3.1 Each sensor shall be energized with the manufacturer's recommended electronic circuit design. This electronic circuit shall be included as supporting hardware for each sensor. The analog and/or

digital output measurements/data from the sensor/circuit and gas analyzer (when used) shall be recorded at least once every ~~15 minutes~~ **3 hours** for the test duration with the minimum data:

- a) Recorded and maintained in a format that is agreed between the test organization and manufacturer, and
- b) The test method and data collection shall be reviewed by the test organization at least once every thirty days (monthly) for the duration of the test program.

33.4.3.2 The sensor data shall include but may not be limited to:

- a) All gas cylinder(s) calibration details that include gas supplier, cylinder identification, gas tolerance, gas concentration and balance gas concentration and,
- b) All ambient environmental test conditions as specified in 33.4 and,
- c) Unedited (raw), analog and/or digital output measurements/data from the sensor/circuit and,
- d) Where applicable, converted data that correlates the sensor/circuit data to the intended gas concentration and,
- e) Calibrated reference analyzer data (if applicable),

33.4.3.3 The manufacturer shall provide the necessary information to convert the analog and/or digital output measurements/data from the sensor to a correlated test gas concentrations. This information shall also be provided in the manufacturer's specification documentation included with the sensor.

33.4.3.If the test gas concentrations and performance of the sensor are not affected, the sensor manufacturer may provide alternative data collection methods and equipment to those defined in 33.4.3.1 through 33.4.3.3.

(NEW)

33.4.4 Gas Sensor Sensitivity Test

33.4.4.1 At the start and end of the one-year test, and at least once monthly, the sensitivity of each sensor shall be checked and recorded as follows:

- a) 0 ppm (clean air, 20.9% O₂ – Balance N₂), and
- b) Hydrocarbon sensors shall be exposed to the test gas concentrations as defined in the Detection Threshold Test from UL 1484, Residential Gas Detectors,
- c) CO sensors shall be exposed to the test gas concentrations as defined in the Sensitivity Test from UL 2034, Single and Multiple Station Carbon Monoxide Alarms
- d) Toxic or asphyxiant gas sensors shall be exposed to three gas concentrations that align with the TWA specified in 33.4.1.1 (d) (3) (iv).
- e) Maximum test gas concentration defined by the manufacturer.

33.4.4.2 The sensor shall be subjected to the test gas requirements specified in 33.4.1 through 33.4.4 and 33.4.4.1 for a minimum duration of one year.

33.4.4.3 The gas sensor drift for all sensors shall not exceed the gas sensors' specified tolerance ranges:

- a) In clean air and/or,
- b) When exposed to gas over the course of one year and/or,
- c) When subjected to each ambient environmental condition,

33.4.4.7 The manufacturer's sensor documentation shall be provided with each sensor or with each batch of sensors and include the following:

- a) The gas sensor's specified tolerance and/or
- b) If applicable, a custom calculation method required to verify the sensor's sensitivity performance. This calculation method shall be used to verify that the test data collected during performance testing remains within the manufacturer's defined limits which are based on its custom sensitivity calculation method.

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BSR/UL 2443, Standard for Flexible Sprinkler Hose With Fittings for Fire Protection Service

1. Inside Diameter for 0.5" Female Threaded Outlet Fittings

PROPOSAL

6.3 The flexible hose shall be provided with the fittings attached and secured to the hose. The inside diameter of the hose and fittings shall not be less than 0.75 inch (19 mm) nor the diameter of the largest sprinkler orifice intended to be installed onto the assembly.

Exception: Outlet fittings with ½-inch female pipe threads are permitted to have an inside diameter of not less than 0.622 inches (15.8 mm), in accordance with the inside diameter of a ½-inch Schedule 40 pipe as specified in the Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, ASTM A53/A53M.

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