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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.

AISI (American Iron and Steel Institute)

25 Massachusetts Avenue, NW, Suite 800 | Washington, DC 20001 www.steel.org

Contact: Jay Larson; jlanson@steel.org

Supplement

BSR/AISI S250-21/S1-202x, Supplement 1 to the 2021 Edition of the North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing, 2022 (supplement to ANSI/AISI S250-2021)

Stakeholders: Cold-Formed Steel industry.

Project Need: Supplement 1 will correct an error in Equations B4.2-1, B4.2-2, and B4.2-3 of AISI S250-21 by reformatting the equation to make it clear that the constant term is in the denominator.

Scope: AISI S250 provides calculation tools, methodologies, and testing standards for use in determining the thermal performance of floor, above-grade wall, and roof/ceiling assemblies constructed with cold-formed steel framing.

ANS (American Nuclear Society)

555 North Kensington Avenue | La Grange Park, IL 60526 www.ans.org

Contact: Kathryn Murdoch; kmurdoch@ans.org

Revision

BSR/ANS 6.4.2-202x, Specification for Radiation Shielding Materials (revision of ANSI/ANS 6.4.2-2006 (R2021))

Stakeholders: Owners and operators of nuclear power plants and suppliers of radiation shielding materials.

Project Need: The standard is needed to assist manufacturers and suppliers of radiation shielding materials in providing standardized information to users.

Scope: The standard sets forth physical and nuclear properties that shall be reported by the supplier as appropriate for a particular application in order to form the basis for the selection of radiation-shielding materials.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Contact: Corice Leonard; accreditation@astm.org

New Standard

BSR/ASTM WK78886-202x, New Test Method for As-Worn Fogging Testing of Plano Protective Eyewear as a Complete Device (new standard)

Stakeholders: Eye safety for Sports industry.

Project Need: The committee shall coordinate this work with other ASTM technical committees and other organizations in this area.

Scope: Standardization of specifications, test methods, and practices for sports equipment, surfaces, and facilities to reduce inherent risk of injuries and promote knowledge as it relates to these standards.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Contact: Corice Leonard; accreditation@astm.org

New Standard

BSR/ASTM WK78927-202x, New Test Method for the Non-Subjective Optical Requirement Testing of Plano Protective Eyewear (new standard)

Stakeholders: Eye safety for Sports industry.

Project Need: The committee shall coordinate this work with other ASTM technical committees and other organizations in this area.

Scope: Standardization of specifications, test methods, and practices for sports equipment, surfaces, and facilities to reduce inherent risk of injuries and promote knowledge as it relates to these standards.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Contact: Corice Leonard; accreditation@astm.org

New Standard

BSR/ASTM WK78953-202x, New Terminology for Relating to Commercially Installed Sports - Specific Equipment for Public Venues Installed (new standard)

Stakeholders: Commercially installed sports-specific equipment for use in Public Venues industry.

Project Need: The committee shall coordinate this work with other ASTM technical committees and other organizations in this area.

Scope: Standardization of specifications, test methods, and practices for sports equipment, surfaces, and facilities to reduce inherent risk of injuries and promote knowledge as it relates to these standards.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Contact: Corice Leonard; accreditation@astm.org

New Standard

BSR/ASTM WK80041-202x, New Specification for Hard-Fired Ceramics Used in the Manufacture of Temperature Sensors (new standard)

Stakeholders: Thermocouples, Materials and Accessories Specifications industry.

Project Need: Promoting research and development on applicable methods and associated materials; Formulating specifications and methods of test for temperature measuring apparatus and nomenclature; Assembling consolidated source books covering all aspects relating to accuracy, application, and usefulness of thermometric methods; and Coordinating the Committee activities with those of other ASTM Committees and other organizations.

Scope: To promote the knowledge and advancement of the science of temperature measurement by aiding and advising the technical committees of the Society in the preparation of standard methods and in the development of apparatus; Sponsoring technical meetings and symposia independently or in cooperation with other organizations.

CRSI (Concrete Reinforcing Steel Institute)

933 N Plum Grove Road | Schaumburg, IL 60173 www.crsi.org

Contact: Amy Trygestad; atrygestad@crsi.org

Revision

BSR/CRSI CG1.1-202x, Standard for Epoxy Coating Plant Straight Bar Lines (revision of ANSI/CRSI CG1.1-2016)

Stakeholders: Epoxy coaters, general contractors, architects, civil and pavement engineers, state transportation officials.

Project Need: Update needed for clarification of surface temperature readings and documentation requirements.

Scope: Standard covers practices for the epoxy-coating of reinforcing steel bars on straight bar lines. Standard establishes the minimum procedures used to monitor production and assess quality during the application of an epoxy coating to straight steel reinforcing bars. The Standard outlines the minimum requirements for documentation, observation, and testing as part of a quality control program.

CRSI (Concrete Reinforcing Steel Institute)

933 N Plum Grove Road | Schaumburg, IL 60173 www.crsi.org

Contact: Amy Trygestad; atrygestad@crsi.org

Revision

BSR/CRSI CG1.2-202x, CRSI Standard for Epoxy Coating Plant: Custom Lines (revision of ANSI/CRSI CG1.2-2016)

Stakeholders: Epoxy coaters, general contractors, architects, civil and pavement engineers, state transportation officials.

Project Need: Change in minimum acceptance criteria for backside contamination and clarification of documentation requirements.

Scope: Standard covers practices for the epoxy-coating of reinforcing steel bars on custom lines. Standard establishes the minimum procedures used to monitor production and assess quality during the application of an epoxy coating to prefabricated steel reinforcing bars. The Standard outlines the minimum requirements for documentation, observation, and testing as part of a quality control program.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

New Standard

BSR C29.15-202x, High Density Polyethylene Insulators - Low- and Medium-Voltage Types (new standard)

Stakeholders: Manufacturers of insulators, electric utilities.

Project Need: Standard needed to differences in the materials forming wet-process porcelain insulators

Scope: This standard covers low- and medium-voltage-type insulators made of polyethylene and used in the transmission and distribution of electric energy.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 18A-202x, Standard on Water Additives for Fire Control and Vapor Mitigation (revision of ANSI/NFPA 18A-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard provides the minimum requirements for water additives used for the control and/or suppression of Class A, Class B, Class C, Class D, Class K, and lithium ion battery fires and the mitigation of flammable vapors.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 252-202x, Standard Methods of Fire Tests of Door Assemblies (revision of ANSI/NFPA 252-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard prescribes standardized fire and hose stream test procedures that apply to fire door assemblies intended to be used to retard the spread of fire through door openings in fire-resistive walls.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 257-202x, Standard on Fire Test for Window and Glass Block Assemblies (revision of ANSI/NFPA 257-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard prescribes standardized fire and hose stream test procedures that apply to the evaluation of fire window assemblies, including windows, glass block, and other light-transmitting assemblies intended to retard the spread of fire through openings in fire resistance-rated walls. This standard is not to be construed as determining the suitability of fire window assemblies for continued use after fire exposure. This standard provides a standardized method for comparing the performance of fire window assemblies.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 268-202x, Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source (revision of ANSI/NFPA 268-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This fire test response standard describes a method for determining the propensity of ignition of exterior wall assemblies from exposure to 12.5 kW/m² (1.10 Btu/ft²-sec) radiant heat in the presence of a pilot ignition source. This test method evaluates the propensity of ignition of an exterior wall assembly where subjected to a minimum radiant heat flux of 12.5 kW/m² (1.10 Btu/ft²-sec). This method determines whether ignition of an exterior wall assembly occurs when the wall is exposed to a specified radiant heat flux, in the presence of a pilot ignition source, during a 20-minute period. This test method utilizes a gas-fired radiant panel to apply a radiant heat flux of 12.5 kW/m² (1.10 Btu/ft²-sec) to a representative sample of an exterior wall assembly while the test specimen is exposed simultaneously to a pilot ignition source. This test method applies to exterior wall assemblies having planar, or nearly planar, external surfaces. This method shall not be used to evaluate the fire resistance of wall assemblies, nor shall it be used to evaluate the effect of fires originating within the building or within the exterior...

NFPA (National Fire Protection Association)

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Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 269-202x, Standard Test Method for Developing Toxic Potency Data for Use in Fire Hazard Modeling (revision of ANSI/NFPA 269-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This test method is intended to provide a means for assessing the lethal toxic potency of combustion products produced from a material or product ignited when exposed to a radiant flux. This test method has been designed to generate toxic potency data on materials and products (including composites) for use in fire hazard analysis. It is also permitted to be used to assist in the research and development of materials and products. Lethal Toxic Potency Values. Lethal toxic potency values associated with 30-minute exposures are predicted using calculations that employ combustion atmospheric analytical data for carbon monoxide, carbon dioxide, oxygen (vitiation), and, if present, hydrogen cyanide, hydrogen chloride, and hydrogen bromide. These predictive equations are therefore limited to those materials and products whose smoke toxicity can be attributed to these toxicants. The confirmation of the predicted lethal toxic potency values by means of an animal check will serve to determine the extent to which additional toxicants contribute to the lethal toxic potency of the smoke. Where an animal check test result does not confirm the predicted lethal toxic potency values, the presence of one or more additional toxicants or toxicological...

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 275-202x, Standard Method of Fire Tests for the Evaluation of Thermal Barriers (revision of ANSI/NFPA 275-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This method of fire tests for qualifying a thermal barrier for protecting foam plastic insulation or metal composite materials (MCM), referred to as a thermal barrier in this standard, is applicable to building construction materials, products, or assemblies intended to be used to protect foam plastic insulation or MCM from direct fire exposure.

The performance of the thermal barrier is evaluated by its ability to limit the temperature rise on its unexposed surface and by the ability of the thermal barrier to remain intact in order to provide protection from ignition of the foam plastic insulation or MCM during a standard fire exposure. This method of fire tests does not evaluate thermal barriers used in or on upholstered furniture or mattresses. This standard does not purport to address all safety problems or considerations associated with its use.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 287-202x, Standard Test Methods for Measurement of Flammability of Materials in Cleanrooms Using a Fire Propagation Apparatus (FPA) (revision of ANSI/NFPA 287-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard shall determine and quantify the flammability characteristics of materials containing polymers that are used in cleanroom applications. The propensity of these materials to support fire propagation, as well as other flammability characteristics, are quantified by means of a fire propagation apparatus. Measurements obtained include time to ignition (t_{ign}), chemical (Q_{chem}), and convective (Q_c) heat release rates, mass loss rates \dot{m} , and smoke extinction coefficient (D). 1.1.2 This standard includes the following separate test methods: (1) The ignition test, which shall be used for the determination of t_{ign}; (2) The combustion test, which shall be used for the determination of Q_{chem}, Q_c, \dot{m} , and D; and (3) The fire propagation test, which shall be used for the determination of Q_{chem} from burning of a vertical specimen.

NFPA (National Fire Protection Association)

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Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 288-202x, Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire-Resistance-Rated Assemblies (revision of ANSI/NFPA 288-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard shall apply to horizontal fire door assemblies of various materials and types of construction that are installed in openings of fire resistance-rated floor systems or roofs to retard the passage of fire. Tests made in conformity with this test method demonstrate the performance of horizontal fire door assemblies during the test exposure; however, such tests shall not be construed as determining the suitability of horizontal fire door assemblies for use after their exposure to fire.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 350-202x, Guide for Safe Confined Space Entry and Work (revision of ANSI/NFPA 350-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This guide provides information to protect workers from confined space hazards. This guide supplements existing confined space regulations, standards, and work practices by providing additional guidance for safe confined space entry and work. References are provided throughout the guide and annexes to direct the reader to other regulations and standards or other content that might be applicable. This guide provides information to identify, evaluate, assess, and then eliminate, mitigate, or control hazards that are present or that may occur during entry into or work in and around confined spaces. This guide provides information on how to understand confined space safety and safeguard personnel from fire, explosion, and other health hazards that are uniquely associated with confined spaces. This guide provides information regarding training, qualifications, and competencies required for personnel responsible for confined space hazard identification, hazard evaluation, and hazard control for personnel who work in and around confined spaces. This guide provides information on confined space rescue best practices...

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 385-202x, Standard for Tank Vehicles for Flammable and Combustible Liquids (revision of ANSI/NFPA 385-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard shall apply to tank vehicles used for the transportation of asphalt and for the transportation of normally stable ignitable (flammable and combustible) liquids with flash points below 200°F (93°C). This standard shall also provide minimum requirements for the design and construction of cargo tanks and their appurtenances and shall set forth certain matters pertaining to tank vehicles. The provisions of this standard shall not preclude the use of additional safeguards for tank vehicles used for the transportation of ignitable (flammable and combustible) liquids having characteristics that introduce additional factors such as high rates of expansion, instability, corrosiveness, and toxicity. The provisions of this standard shall also apply to cutback asphalts that have flash points below 100°F (37.8°C) and to liquids transported at temperatures elevated above their flash points. The requirements for aircraft fuel servicing tank vehicles shall be in accordance with NFPA 407.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 408-202x, Standard for Aircraft Hand Portable Fire Extinguishers (revision of ANSI/NFPA 408-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard specifies requirements for the type, capacity, rating, number, location, installation, and maintenance of aircraft hand portable fire extinguishers to be provided for the use of flight crew members or other occupants of an aircraft for the control of incipient fires in the areas of aircraft that are accessible during flight. This standard also includes requirements for training flight crew members in the use of these extinguishers. This standard does not cover fire detection and fixed fire-extinguishing systems installed in an aircraft or fire detection and fire-extinguishing systems for the protection of ground maintenance operations. Specific protection for Class D fires and for fires in hazardous materials is beyond the scope of this standard.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 409-202x, Standard on Aircraft Hangars (revision of ANSI/NFPA 409-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard contains the minimum requirements for the proper construction of aircraft hangars and protection of aircraft hangars from fire. This standard applies only to buildings or structures used for aircraft storage, maintenance, or related activities. Other uses within an aircraft hangar shall be protected in accordance with other applicable NFPA standards. This standard applies to aircraft hangars containing aircraft that use liquid hydrocarbon fuels.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 415-202x, Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways (revision of ANSI/NFPA 415-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard specifies the minimum fire protection requirements for the construction and protection of airport terminal buildings. It specifies the minimum requirements for the design and maintenance of the drainage system of an aircraft fueling ramp to control the flow of fuel that can be spilled on a ramp and to minimize the resulting possible danger. In addition, it contains the minimum requirements for the design, construction, and fire protection of aircraft loading walkways between the terminal building and aircraft.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 423-202x, Standard for Construction and Protection of Aircraft Engine Test Facilities (revision of ANSI/NFPA 423-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard establishes the minimum fire safety practices regarding location, construction, services, utilities, fire protection, operation, and maintenance of aircraft engine test facilities. These facilities include test cells and test stands. This standard does not apply to engines and engine accessories or to engine test facilities where fuels other than hydrocarbon fuels are used.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 550-202x, Guide to the Fire Safety Concepts Tree (revision of ANSI/NFPA 550-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This guide describes the structure, application, and limitations of the Fire Safety Concepts Tree.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 551-202x, Guide for the Evaluation of Fire Risk Assessments (revision of ANSI/NFPA 551-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This guide is intended to provide assistance, primarily to authorities having jurisdiction (AHJs), in evaluating the appropriateness and execution of a fire risk assessment (FRA) for a given fire safety problem. While this guide primarily addresses regulatory officials, it also is intended for others who review FRAs, such as insurance company representatives and building owners.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 900-202x, Building Energy Code (revision of ANSI/NFPA 900-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: These regulations shall control the minimum energy-efficient requirements for the following: (1) The design, construction, reconstruction, alteration, repair, demolition, removal, inspection, issuance, and revocation of permits or licenses, installation of equipment related to energy conservation in all buildings and structures and parts thereof; (2) The rehabilitation and maintenance of construction related to energy efficiency in existing buildings; and (3) The standards or requirements for materials to be used in connection therewith.

NFPA (National Fire Protection Association)

One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Contact: Dawn Michele Bellis; dbellis@nfpa.org

Revision

BSR/NFPA 1150-202x, Standard on Foam Chemicals for Fires in Class A Fuels (revision of ANSI/NFPA 1150-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Scope: This standard specifies requirements for Class A foam and the chemicals used to produce Class A foam that is used to control, suppress, or prevent fires in Class A fuels.

SCTE (Society of Cable Telecommunications Engineers)

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

Contact: Kim Cooney; kcooney@scte.org

Reaffirmation

BSR/SCTE 82-2012 (R202x), Test Method for Low-Frequency and Spurious Disturbances (reaffirmation of ANSI/SCTE 82-2012)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

Scope: To define and measure low frequency and spurious disturbances caused by switched-mode power supplies or other active devices in broadband Cable Telecommunications equipment.

SCTE (Society of Cable Telecommunications Engineers)

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

Contact: Kim Cooney; kcooney@scte.org

New Standard

BSR/SCTE IPS TP 903-202x, Test Method for Contact Insertion Force for SCTE 91 5/8-24 RF & AC Equipment Port Female Contact (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Scope: This test method provides a method to measure and record the force necessary to insert and withdraw a pin into a female contact of the DUT.

UL (Underwriters Laboratories)

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

Contact: Megan Monsen; megan.monsen@ul.org

National Adoption

BSR/UL 60335-2-113-202x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-113: Particular Requirements for Beauty Care Appliances Incorporating Lasers and Intense Light Sources (national adoption with modifications of IEC 60335-2-113)

Stakeholders: Producers of beauty-care appliances incorporating lasers or intense light sources for household and similar purposes; Component producers and supply chain of beauty-care appliances incorporating lasers or intense light sources for household and similar purposes; Retailers; Consumers; Trade Associations; Government.

Project Need: To provide an ANSI-approved standard, UL 60335-2-113, adopting IEC 60335-2-113 with modifications, which contains requirements for beauty-care appliances incorporating lasers or intense light sources for household and similar purposes. This standard will support the request from industry for UL to harmonize with IEC 60335-2-113 and international certification programs. This harmonized standard will also mitigate hazards and ensure latest innovative/technology/safety features for these particular beauty-care appliances.

Scope: This International Standard deals with the safety of beauty care appliances incorporating lasers or intense light sources for household and similar purposes, where their operation relies on contact with the skin, their rated voltage being not more than 250 V.

NOTE 101. Battery-operated appliances and other d.c.-supplied appliances are within the scope of this standard. Dual supply appliances, either mains-supplied or battery-operated, are regarded as battery-operated appliances when operated in the battery mode. This standard covers appliances with a light emitting surface less than 25 cm².

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public such as appliances intended to be used in beauty salons and similar premises are also within the scope of this standard. Appliances covered by the scope of this standard include but are not limited to: appliances for control of hair growth; appliances for skin and beauty care incorporating lasers or intense light sources (ILS).

NOTE 102. Appliances incorporating lasers or intense light sources (ILS) either heat up hair follicles or skin tissue to produce thermal effects or to produce photo-biological effects from specific wavelengths.

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: January 16, 2022

AISI (American Iron and Steel Institute)

25 Massachusetts Avenue, NW, Suite 800, Washington, DC 20001 | jlanson@steel.org, www.steel.org

Supplement

BSR/AISI S310-20/S1-202x, Supplement 1 to the 2020 Edition of the North American Standard for the Design of Profiled Steel Diaphragm Panels, 2022 (supplement to ANSI/AISI S310-2020)

Supplement 1 makes the following changes to AISI S310-20 for filled diaphragms: (1) fixes the language and provides the correct path to the safety and resistance factors for the limit state of diagonal tension in the concrete, (2) directs the user to AISI S100 for strength and safety and resistance factors for the limit state of fastener strength at the locations of force transfer into and out of the diaphragm for other than headed studs, and (3) restores the safety and resistance factors for lightweight insulating concrete fill that were inadvertently removed in the last revision of the standard.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i123r2), 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: jsnider@nsf.org

Comment Deadline: January 16, 2022

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i184r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.

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

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

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 486L-202x, Standard for Safety for Large Ferrules (new standard)

Recirculation of Topic 1 - the proposed first edition of the Standard for Large Ferrules, UL 486L.

[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)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, <https://ul.org/>

Revision

BSR/UL 94-202x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2021a)

This proposal covers the following topics: (1) UL 94 5VB Flame Result Judgment – Sample Consumption before 5th Flame Application and (2) Clarification of Requirements for VTM Test Sample Preparation – Application of Tape in UL 94.

[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: January 31, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 148-202x, Standard for Personal Identification in Forensic Anthropology (new standard)

This standard provides approaches for establishing a personal identification in forensic anthropology using both scientific identification methods and contributory anthropological findings. This standard does not address identification of living individuals.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>

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

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 158-202x, Standard for Developing Standard Operating Procedures in Bloodstain Pattern Analysis (new standard)

This standard provides guidance on the development of Standard Operating Procedures (SOP) that are a component of the quality assurance program for Bloodstain Pattern Analysis. The standard specifies SOP requirements for equipment, materials, reagents, calculations, documenting limitations, safety, and the generation of reports. The standard is applicable to scene, laboratory, and remote examinations.

Single copy price: Free

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

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

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

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

This standard specifies practices and minimum requirements for reducing radon and soil gas in schools and large buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards relative to health and safety practices within: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.

Single copy price: \$TBD

Obtain an electronic copy from: <https://standards.aarst.org/public-review>

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

Comment Deadline: January 31, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

This standard specifies practices and minimum requirements for reducing radon and soil gas in existing Multifamily Buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards for content on health and safety practices: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.

Single copy price: \$TBD

Obtain an electronic copy from: <https://standards.aarst.org/public-review>

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

This standard specifies practices and minimum requirements for reducing radon and soil gas in existing homes. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards for content on health and safety practices: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.

Single copy price: \$TBD

Obtain an electronic copy from: <https://standards.aarst.org/public-review>

Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | fusarop@api.org, www.api.org

Reaffirmation

BSR/API 780-2013 (R202x), Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (reaffirmation of ANSI/API 780-2013)

The standard describes the recommended approach for assessing security risk widely applicable to the types of facilities operated by the petroleum and petrochemical industries and the security issues these industries face. The standard is intended for those responsible for conducting security risk assessments and managing security at these facilities. The method described in this standard is widely applicable to a full spectrum of security issues from theft to insider sabotage to terrorism. An SRA is a systematic process that evaluates the likelihood that a given threat factor (e.g., activist, criminal, disgruntled insider, terrorist) will be successful in committing an intentional act (e.g., damage, theft) against an asset resulting in a negative consequence (e.g., loss of life, economic loss, or loss of continuity of operations). It can consider the potential severity of consequences and impacts to the facility or company itself, to the surrounding community, and on the supply chain.

Single copy price: \$206.00

Obtain an electronic copy from: fusarop@api.org

Order from: Patty Fusaro, fusarop@api.org

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

Comment Deadline: January 31, 2022

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | burklek@api.org, www.api.org

Reaffirmation

BSR/API Specification 19AC/ISO 14998, 1st Edition-2016 (R202x), Specification for Completion Accessories (reaffirmation of ANSI/API Specification 19AC/ISO 14998, 1st Edition-2016)

This International Standard provides requirements and guidelines for completion accessories, as defined in this standard, for use in the petroleum and natural gas industry. This International Standard provides requirements for the functional specification and technical specifications, including design, design verification and validation, materials, documentation and data control, quality requirements, redress, repair, shipment, and storage. This International Standard covers the pressure-containing, nonpressure-containing, load-bearing, disconnect/reconnect, tubing-movement, and opening-a-port functionalities of completion accessories.

Single copy price: \$121.00

Obtain an electronic copy from: burklek@api.org

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

ASABE (American Society of Agricultural and Biological Engineers)

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

New Standard

BSR/ASABE S660 MONYEAR-202x, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators (new standard)

The purpose of this Standard is to establish a uniform method of determining and reporting spreading performance of large (18.3-m swath width or greater) broadcast spreaders and pneumatic applicators designed to surface apply granular materials. Results from tests performed according to this Standard make it possible to predict distribution uniformity of a particular broadcast spreader or pneumatic applicator or to compare the performance of different machines operated under similar test condition.

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section VIII-202x, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2021)

This Section contains mandatory requirements, specific prohibitions, and nonmandatory guidance for pressure-vessel materials, design, fabrication, examination, inspection, testing, certification, and pressure relief. The Code does not address all aspects of these activities, and those aspects which are not specifically addressed should not be considered prohibited.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Steven Rossi; rossis@asme.org

Comment Deadline: January 31, 2022

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

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

Revision

BSR/ASSP A10.24-202X, Roofing Safety Requirements for Low-Sloped Roofs (revision and redesignation of ANSI/ASSE A10.24-2014)

This standard establishes safe operating practices for the installation, maintenance, and removal of membrane roofing that is seamed or seamless on low-sloped roofs, which means the roof has a slope that is less than or equal to 4 in 12 (18 degrees). These types of roofs include but are not necessarily limited to: hot and cold built-up roofing, single-ply roofing, spray polyurethane foam (SPF) roofing, liquid-type roofing, and modified bitumens.

Single copy price: \$110.00

Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org

Order from: Tim Fisher; tfisher@assp.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D4495-202x, Test Method for Impact Resistance of Poly(Vinyl Chloride) (PVC) Rigid Profiles by Means of a Falling Weight (revision of ANSI/ASTM D4495-2016)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard; accreditation@astm.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B114-202x, Reverse Osmosis and Nanofiltration Systems for Water Treatment (revision of ANSI/AWWA B114-2015)

This standard delineates minimum requirements for reverse osmosis (RO) and nanofiltration (NF) membrane systems for water and reclaimed water treatment systems.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Vicki David; vdavid@awwa.org

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

Comment Deadline: January 31, 2022

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C213-202x, Fusion-Bonded Epoxy Coatings and Linings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C213-2015)

This standard describes the material and application requirements for fusion-bonded epoxy coatings and linings for steel water pipe, special sections, welded joints, connections, fittings, and appurtenances for steel water pipelines installed underground or underwater.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA; Vicki David; vdavid@awwa.org

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

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.40.2-1996 (R202x) and Z21.40.2a-1997 (R202x), Gas-Fired, Work Activated Air-Conditioning and Heat Pump Appliances (reaffirmation of ANSI Z21.40.2-1996 (R2017) and Z21.40.2a-1997 (R2017))

Safe and satisfactory operation of a gas-fired work-activated air-conditioning and heat-pump appliances (internal combustion) depends to a great extent upon its proper installation, use, and maintenance. It should be installed, as applicable, in accordance with the National Fuel Gas Code, ANSI Z223.1; the Natural Gas Installation Code, CAN/CGA-B149.1; the Propane Installation Code, CAN/CGA-B149.2; the (U.S.) Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or when such a standard is not applicable, the Standard for Manufactured Home Installations Sites, Communities, ANSI/NFPA 501A; or the Mobile Homes Standard, CAN/CSA-Z240 MH Series; manufacturer's installation instructions and local municipal codes.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Order from: Debbie Chesnik; ansi.contact@csagroup.org

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

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.40.4-1996 (R202x) and Z21.40.4a-1998 (R202x), Performance Testing and Rating of Gas-Fired, Air Conditioning and Heat Pump Appliances (reaffirmation of ANSI Z21.40.4-1996 (R2017) and Z21.40.4a-1998 (R2017))

Safe and satisfactory operation of performance testing and rating of gas-fired, air-conditioning, and heat-pumping appliances depends to a great extent upon their proper installation, use, and maintenance. It should be installed, as applicable, in accordance with the National Fuel Gas Code, ANSI Z223.1; the Natural Gas Installation Code, CAN/CGA-B149.1; the Propane Installation code, CAN/CGA-B149.2; or the manufacturers' installation instructions and local municipal codes.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Order from: Debbie Chesnik; ansi.contact@csagroup.org

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

Comment Deadline: January 31, 2022

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

New Standard

BSR/CTA 2099-202x, Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)

This standard describes how to determine the maximum output capability of loudspeakers, subwoofers, and amplifiers intended for use in consumer/residential applications. It also describes how to determine the appropriate crossover frequency region for and between loudspeakers and subwoofers. The loudspeaker sections of this standard apply only to loudspeaker systems. This standard is not applicable to raw transducers.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Catrina Akers; cakers@cta.tech

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

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

New Standard

BSR/CTA 2105-202x, Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)

This document will provide a risk framework and identify elements of validation to include mechanisms to communicate the validation of device to the end users.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Catrina Akers; cakers@cta.tech

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

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

Revision

BSR/CTA 2006-D-202x, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-C)

To define characteristics that, considered collectively, describe the performance of Power Amplifiers designed for In-Vehicle applications. Power Amplifiers designed for In-Vehicle applications include, but are not limited to: separate single and multi-channel amplifiers, integrated amplifiers, and bandwidth-limited amplifiers that are connected to and rely solely on the vehicle's primary electrical system for power input and have output power ratings of greater than 5W when measured in accordance with ANSI/CTA 2006-C.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Catrina Akers; cakers@cta.tech

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

Comment Deadline: January 31, 2022

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

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

New Standard

BSR/ASSE Series 27000-202x, Professional Qualifications Standard for Hybrid Fire Extinguishing Systems Personnel (new standard)

This standard fills a requirement that is part of NFPA 770. NFPA 770 requires certification for designers, installers, and ITM personnel (inspection, testing, and maintenance) who work on systems as described in NFPA 770. These are special-hazard fire-protection systems that use hybrid (water and inert gas) fire-extinguishing systems. The Series 27000 contains 3 standards; each of which establishes minimum knowledge and performance criteria for those involved in designing, installing, and ITM of the hybrid systems described in NFPA 770.

Single copy price: Free

Obtain an electronic copy from: marianne.waickman@asse-plumbing.org

Send comments (copy psa@ansi.org) to: marianne.waickman@asse-plumbing.org

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

New Standard

BSR/IES LM-91 (C303)-202x, IES (Guide to) Approved Method: Application Distance Specific Radiometry (new standard)

To establish the measurement and data application methodologies for characterizing planar distributions of illuminance, irradiance, or photon irradiance (i.e., photon flux density) at application distances, and for creating distance-specific IES files by application. This document describes the method for measuring illuminance, irradiance, and/or photon irradiance (i.e., photon flux density) at multiple points on a plane at a specific application distance. This document also describes a method to generate and interpret IES files composed of equivalent intensity values and applicable only to a specific range of application distances.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

New Standard

BSR/IES/IUVA LM-92-202x, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (new standard)

This document describes the procedures to be followed and precautions to be observed in performing accurate measurements of total radiant flux (optical power), total photon flux, electrical power, and wavelength characteristics of ultraviolet (UV) light emitting diodes (LEDs). This document covers UV LED packages (defined in ANSI/IES RP-16-10) including those with multiple chips that only emit light within the 200-nm to 400-nm wavelength range. This document covers measurement under pulse operation as well as steady DC operation of UV LEDs, and in all cases, the thermal condition of UV LEDs refers to their junction temperature. The approved methods apply to laboratory measurements. This document is a guide developed...

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

Comment Deadline: January 31, 2022

ISA (International Society of Automation)

67 Alexander Drive, Research Triangle Park, NC 27709 | crobinson@isa.org, www.isa.org

New Standard

BSR/ISA 5.1-202x, Instrumentation Symbols and Identification (new standard)

Establish a uniform means of designating instruments and instrumentation systems used for industrial process measurement and control. This designation system includes symbols and an identification code.

Single copy price: \$9.00

Obtain an electronic copy from: crobinson@isa.org

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

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

This standard applies to industrial turntables designed to rotate in the horizontal plane that are activated manually, or by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable, and manual or powered. They are typically used to rotate, position, feed, transfer, load, or unload materials only (not personnel). Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.

Single copy price: \$25.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison; pdavison@mhi.org

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

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH28.2-202X, Design, Testing, and Utilization of Industrial Boltless Steel Shelving (revision of ANSI MH28.2-2018)

This standard applies to industrial steel boltless shelving; boltless shelving placed on mobile carriages; multi-level boltless shelving systems such as pick modules, catwalks, and deck-overs; and for boltless shelving used in conjunction with an automated storage and retrieval system (AS/RS). The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. This standard does not apply to the following: industrial steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), boltless shelving structures not fabricated from steel, industrial steel bin shelving, or shelving systems built with slotted metal angles. Industrial steel boltless shelving is typically a hand-loaded, prefabricated, free-standing, building-like non-building structure that utilizes a designed framing system. It is generally located within an industrial or warehouse environment that is restricted from the general public. Personnel working within the confines of the boltless shelving structure are presumed to be properly trained, physically able, and appropriately attired for the intended working environment.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison; pdavison@mhi.org

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

Comment Deadline: January 31, 2022

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

BSR MH28.3-202x, Design, Testing, and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2018)

This standard applies to industrial steel work platforms. An industrial steel work platform is typically a prefabricated free-standing non-building structure similar to a building with an elevated surface that utilizes a pre-designed framing system and is located within an industrial or similarly restricted environment. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, and engineered wood-products. This standard is intended to be applied to the design, testing, and utilization of such structures. Industrial steel work platforms are referred to as just “work platforms” or “platforms” in this standard. This standard does not apply to platforms whose structural framing components are not made from steel.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison; pdavison@mhi.org

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

MSS (Manufacturers Standardization Society)

127 Park Street, NE, Vienna, VA 22180-4602 | standards@msshq.org, www.mss-hq.org

Revision

BSR/MSS SP-135-202x, High Pressure Knife Gate Valves (revision of ANSI/MSS SP-135-2016)

This Standard Practice covers the construction requirements for wafer- and flange-type knife gate valves made from ASME Code materials and meeting the applicable gate valve requirements of ASME B16.34. This Standard Practice covers flanged body designs compatible with ASME B16.5 flanges for NPS 2 (DN 50) through NPS 24 (DN 600) and ASME B16.47 Series A flanges for NPS 26 (DN 650) through NPS 48 (DN 1200). As an alternative to Section 1.1, this Standard Practice also covers valves that do not meet the body wall thickness of ASME B16.34 but shall be qualified by analysis per Boiler and Pressure Vessel Code (BPVC), Section VIII, Division 2, Part 5 or by a proof test per BPVC, Section, VIII, Division 1, UG-101. The Class 150, 300, and 600 dimensional, material, and other requirements of this Standard Practice, shall apply to these valves.

Single copy price: \$59.50 (MSS members); \$119.00 (non-members)

Obtain an electronic copy from: standards@msshq.org

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

Comment Deadline: January 31, 2022

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 1-202x, Fire Code (revision of ANSI/NFPA 1-2021)

The scope includes, but is not limited to, the following: (1) Inspection of permanent and temporary buildings, processes, equipment, systems, and other fire and related life safety situations; (2) Investigation of fires, explosions, hazardous materials incidents, and other related emergency incidents; (3) Review of construction plans, drawings, and specifications for life safety systems, fire protection systems, access, water supplies, processes, hazardous materials, and other fire and life safety issues; (4) Fire and life safety education of fire brigades, employees, responsible parties, and the general public; (5) Existing occupancies and conditions, the design and construction of new buildings, remodeling of existing buildings, and additions to existing buildings; (6) Design, installation, alteration, modification, construction, maintenance, repairs, servicing, and testing of fire-protection systems and equipment; (7) Installation, use, storage, and handling of medical gas systems; (8) Access requirements for fire department operations; (9) Hazards from outside fires in vegetation, trash, building debris, and other materials; (10) Regulation and control of special events including, but not limited to, assemblage of people, exhibits, trade shows, amusement parks, haunted houses, outdoor events, and other similar special temporary and permanent occupancies; (11) Interior finish, decorations, furnishings, and other combustibles that...

Obtain an electronic copy from: www.nfpa.org/1Next

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

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 4966-A-202x, Telecommunications - Infrastructure Standard for Educational Facilities (revision and redesignation of ANSI/TIA 4966-2014)

This standard is nearing the 5-year mark and should be reviewed for content; updating to incorporate content of the Addendum, current standards and best practice.

Single copy price: \$65.00

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 497C-2004 (R202x), Standard for Protectors for Coaxial Communications Circuits (reaffirmation of ANSI/UL 497C-2004 (R2017))

(1) Reaffirmation and continuance of the second edition of the Standard for Protectors for Coaxial Communications Circuits, UL 497C, 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>

Comment Deadline: January 31, 2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 497B-2004 (R202x), Standard for Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2017))

(1) Reaffirmation and continuance of the fourth edition of the Standard for Protectors for Data Communications and Fire Alarm Circuits, UL 497B, 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 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 1416-2012 (R202x), Standard for Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1416-2012)

(1) Reaffirmation and continuance of the sixth edition of the Standard for Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances, UL 1416, 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 | Casey.Granata@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 61010-2-020-2016 (R202x), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-020: Particular Requirements for Laboratory Centrifuges (reaffirmation of ANSI/UL 61010-2-020-2016)

Reaffirm current American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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: January 31, 2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Doreen.Stocker@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 62841-2-14-2016 (R202x), UL Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Part 2-14: Particular Requirements for Hand-Held Planers (reaffirmation of ANSI/UL 62841-2-14-2016)

Reaffirmation and continuance of the 1st Edition of the Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-14: Particular Requirements for Hand-Held Planers, UL 62841-2-14, as an American National Standard.

Single copy price: Free

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

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

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

Revision

BSR/UL 763-202x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2020)

(1) Proposed revision to clause B1.3, item (c) to delete the last sentence regarding accessible parts for water spray tests.

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 | patricia.a.sena@ul.org, <https://ul.org/>

Revision

BSR/UL 943-202X, Standard for Safety for Ground-Fault Circuit-Interrupters (revision of ANSI/UL 943-2018)

(1) Corresponding proposal for the formal interpretation decision dated May 26, 2020 - Indication of Supervisory Test Function; (2) Further improvement for the auto-monitoring function of ground-fault circuit-interrupters; (3) Clarification of auto-monitoring function initiation and detection; (4) Clarification for available fault current; (5) Alternate delivery methods for installation instructions; (6) Editorial correction to spacings Table 5.12.2.1 and Table 5.12.2.2; (7) Clarification of requirements for strain relief in 5.10.3; (8) Revision of requirements to allow remote ON and OFF switching of GFCIs; (9) Addition of requirements for an optional test reminder light; (10) Update Annex A, Ref. 12, for alternative use of UL 60947-4-2 • CSA C22.2 No 60947-4-1 for Motor Controllers; (11) Revised marking requirements in Supplement SA; and (12) Open Neutral Protection – Extra Low Resistance Ground Fault Test and Short Circuit Test.

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: January 31, 2022

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Amy.K.Walker@ul.org, <https://ul.org/>

Revision

BSR/UL 1278-202x, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2020)

This proposal for UL 1278 covers: (1) Warning and markings to address hyperthermia hazards.

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 | patricia.a.sena@ul.org, <https://ul.org/>

Revision

BSR/UL 2594-202X, Standard for Safety for Electric Vehicle Supply Equipment (revision of ANSI/UL 2594-2016)

(1) The proposed third edition of the Standard for Electric Vehicle Supply Equipment, ANCE J-677/CSA 280/UL 2594, including the following revisions: (a) Removal of requirement to fasten in place devices rated over 125 V; (b) Increase voltage to 1000 V input; (c) Revisions due to withdrawal of UL 2744; and (d) Location of interrupting device for personnel protection systems in EVSE in accordance with the NEC.

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: February 15, 2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B1.3-2007 (R202x), Screw Thread Gaging Systems for Acceptability - Inch and Metric Screw Threads (UN, UNR, UNJ, M, and MJ) (reaffirmation of ANSI/ASME B1.3-2007 (R2017))

This Standard presents screw thread gaging systems suitable for determining the acceptability of UN, UNR, UNJ, M, and MJ screw threads on externally and internally threaded products.

Single copy price: \$43.00

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

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

Comment Deadline: February 15, 2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B1.30-2002 (R202x), Screw Threads - Standard Practice for Calculating and Rounding Dimensions (reaffirmation of ANSI/ASME B1.30-2002 (R2017))

The purpose of this Standard is to establish uniform and specific practices for calculating and rounding the numeric values used for inch and metric screw thread design data dimensions only.

Single copy price: \$39.00

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

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

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B47.1-2007 (R202x), Gage Blanks (reaffirmation of ANSI/ASME B47.1-2007 (R2012))

This Standard covers standard designs for the following: (a) plain and thread plug gage blanks to 12.010 in. maximum gaging diameter; (b) plain and thread ring gage blanks to 12.260 in. maximum gaging diameter; (c) involute and serrated spline plug and ring gage blanks to 8.000 in. major diameter; (d) straight-sided spline plug and ring gage blanks to major diameters of 8.000 in. for plugs and 6.000 in. for rings; (e) machine taper plug and ring gage blanks to 5.000 in. gaging diameter; (f) adjustable snap gages to 12 in.; (g) adjustable length gages to any desired length; and (h) master disks up to 8.010 in. in diameter.

Single copy price: \$123.00

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

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME ASME B36.10-202x, Welded and Seamless Wrought Steel Pipe (revision of ANSI/ASME B36.10M-2018)

This Standard covers the standardization of dimensions of welded and seamless wrought steel pipe for high or low temperatures and pressures.

Single copy price: Free

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

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

Comment Deadline: February 15, 2022

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME PTC 1-202x, Performance Test Codes - General Instructions (revision of ANSI/ASME PTC 1-2015)

This Code provides direction to users, parties to a test, and the ASME committees responsible for writing Performance Test Codes (PTCs). Code users and parties to a test shall consider this Code as part of each test, and all the requirements herein shall be applicable in addition to those within the individual PTCs covering a particular test. The objectives of ASME PTC 1, General Instructions, are as follows: (a) to define the purpose and scope of ASME PTC; (b) to list major industry applications where PTCs can be used; and (c) to provide direction on the use of PTCs concerning the planning, preparation, execution, and reporting of test results.

Single copy price: Free

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

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 | Elizabeth.Northcott@ul.org, <https://ul.org/>

Revision

BSR/UL 1576-202x, Standard for Safety for Flashlights and Lanterns (revision of ANSI/UL 1576-2020)

(1) Proposed adoption of the Standard for Flashlights and Lanterns as a bi-national standard co-published with CSA group.

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>

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.

AAFS (American Academy of Forensic Sciences)

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

New Standard

ANSI/ASB BPR 108-2021, Forensic Odontology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority (new standard) Final Action Date: 12/9/2021

New Standard

ANSI/ASB Std 024-2021, Standard for Training and Certification of Canine Detection of Humans: Location Check Using Pre-Scented Canines (new standard) Final Action Date: 12/9/2021

New Standard

ANSI/ASB Std 026-2021, Standard for Training and Certification of Canine Detection of Humans: An Aged Trail Using Pre-Scented Canines (new standard) Final Action Date: 12/9/2021

New Standard

ANSI/ASB Std 027-2021, Standard for Training and Certification of Canine Detection of Humans: Patrol Canine Team (new standard) Final Action Date: 12/13/2021

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

Revision

ANSI/ADA Standard No. 2000.5-2021, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.4-2020) Final Action Date: 12/7/2021

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Reaffirmation

ANSI/ANS 2.26-2004 (R2021), Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design (reaffirmation of ANSI/ANS 2.26-2004 (R2017)) Final Action Date: 12/10/2021

Reaffirmation

ANSI/ANS 8.22-1997 (R2021), Nuclear Criticality Safety Based on Limiting and Controlling Moderators (reaffirmation of ANSI/ANS 8.22-1997 (R2016)) Final Action Date: 12/7/2021

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

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

Addenda

ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013) Final Action Date: 12/6/2021

Addenda

ANSI/ASHRAE/IES Addendum x 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: 12/9/2021

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

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

Addenda

ANSI/ASHRAE/IES Addendum y to ANSI/ASHRAE/IES Standard 90.1-2021, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 12/9/2021

Revision

ANSI/ASHRAE Standard 105-2021, Standard Methods for Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions (revision of ANSI/ASHRAE Standard 105-2014) Final Action Date: 12/6/2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

ANSI/ASME B29.15M-1997 (R2021), Steel Roller Type Conveyor Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.15M-1997 (R2017)) Final Action Date: 12/10/2021

Reaffirmation

ANSI/ASME B29.22-2001 (R2021), Drop-Forged Rivetless Chains, Sprockets Teeth Drive Chain/Drive Dogs (reaffirmation of ANSI/ASME B29.22-2001 (R2016)) Final Action Date: 12/10/2021

Reaffirmation

ANSI/ASME B29.24-2002 (R2021), Roller Load Chains for Overhead Hoists (reaffirmation of ANSI/ASME B29.24-2002 (R2016)) Final Action Date: 12/10/2021

Reaffirmation

ANSI/ASME B29.100-2011 (R2021), Double-Pitch Roller Chains, Attachments, and Sprockets (reaffirmation of ANSI/ASME B29.100-2011 (R2016)) Final Action Date: 12/10/2021

Reaffirmation

ANSI/ASME B29.200-2001 (R2021), Welded-Steel-Type Mill Chains, Welded-Steel-Type Drag Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.200-2001 (R2017)) Final Action Date: 12/10/2021

Revision

ANSI/API 579-1/ASME FFS-1-2021, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2016) Final Action Date: 12/7/2021

Revision

ANSI/ASME B16.21-2021, Nonmetallic Flat Gaskets for Pipe Flanges (revision of ANSI/ASME B16.21-2016) Final Action Date: 12/7/2021

Revision

ANSI/ASME B16.24-2021, Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves - Classes 150, 300, 600, 900, 1500, and 2500 (revision of ANSI/ASME B16.24-2016) Final Action Date: 12/10/2021

Revision

ANSI/ASME B16.42-2021, Ductile Iron Pipe Flanges and Flanged Fittings - Classes 150 and 300 (revision of ANSI/ASME B16.42-2016) Final Action Date: 12/10/2021

AWS (American Welding Society)

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

New Standard

ANSI/AWS G1.6-2022, Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants (new standard) Final Action Date: 12/7/2021

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

New Standard

ANSI/CSA 13.1-2021, Combined heat and power appliances (new standard) Final Action Date: 12/10/2021

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

** New Standard*

ANSI/CTA 2092-2021, Performance Requirements for Sleep-Monitoring Solutions Detecting Snoring (new standard) Final Action Date: 12/9/2021

** New Standard*

ANSI/CTA 2096-2021, Guidelines for Developing Trustworthy Artificial Intelligence Systems (new standard) Final Action Date: 12/9/2021

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

Reaffirmation

ANSI/HL7 CDAR2 IG CONSENTDIR, R1-2017 (R2021), HL7 CDA(R) R2 Implementation Guide: Privacy Consent Directives, Release 1 (reaffirmation of ANSI/HL7 CDAR2 IG CONSENTDIR, R1-2017) Final Action Date: 12/9/2021

Reaffirmation

ANSI/HL7 CDAR2 PHMRPTS, R1-2017 (R2021), HL7 CDA (R)R2 Implementation Guide: Personal Healthcare Monitoring Reports, Release 1 (reaffirmation of ANSI/HL7 CDAR2 PHMRPTS, R1-2017) Final Action Date: 12/10/2021

Reaffirmation

ANSI/HL7 V3 ICSR1, R2-2012 (R2021), HL7 Version 3 Standard: Pharmacovigilance - Individual Case Safety Report, Part 1: The Framework for Adverse Event Reporting, Release 2 (reaffirmation of ANSI/HL7 V3 ICSR1, R2-2012 (R2016)) Final Action Date: 12/9/2021

Reaffirmation

ANSI/HL7 V3 ICSR2, R2-2012 (R2021), HL7 Version 3 Standard: Pharmacovigilance - Individual Case Safety Report, Part 2: Human Pharmaceutical Reporting Requirements for ICSR, Release 2 (reaffirmation of ANSI/HL7 V3 ICSR2, R2-2012 (R2016)) Final Action Date: 12/9/2021

Reaffirmation

ANSI/HL7 V3 RIM, R7-2016 (R2021), HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016) Final Action Date: 12/10/2021

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

Revision

ANSI/MHI MH16.1-2021, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1-2012 (R2019)) Final Action Date: 12/7/2021

NEMA (ASC C137) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

National Adoption

ANSI/C137.63103-2021, Standard for Lighting Systems - Non-Active Mode Power Measurement (national adoption with modifications of IEC 63103, ed1.0 (2020-07)) Final Action Date: 12/13/2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

New Standard

ANSI ICEA S-118-746-2021, Standard for Category-8, 100-Ohm, Indoor Cables for Use in LAN Communication Wiring Systems (new standard) Final Action Date: 12/7/2021

Revision

ANSI NEMA WC 57/ICEA S-73-532-2021, Standard for Control, Thermocouple, Extension, and Instrumentation Cables (revision of ANSI/NEMA WC 57/ICEA S-73-532-2014) Final Action Date: 12/6/2021

NSF (NSF International)

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

Revision

ANSI/NSF/CAN 50-2021 (i179r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 12/10/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, <https://ul.org/>

National Adoption

ANSI/UL 60079-28-2021, Standard for Safety for Explosive Atmospheres - Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation (national adoption of IEC 60079-28 with modifications and revision of ANSI/UL 60079-28-2020) Final Action Date: 12/7/2021

New Standard

ANSI/UL 2583-2021, Standard for Safety for Fuel Tank Accessories for Flammable and Combustible Liquids (new standard) Final Action Date: 12/8/2021

Revision

ANSI/UL 174-2021b, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2021) Final Action Date: 12/10/2021

Revision

ANSI/UL 343-2021, Standard for Safety for Pumps for Oil-Burning Appliances (revision of ANSI/UL 343-2013 (R2017)) Final Action Date: 12/6/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Nicolette.A.Weeks@ul.org, <https://ul.org/>

Revision

ANSI/UL 2166-2021a, Standard for Halocarbon Clean Agent Extinguishing System Units (September 10, 2021) (revision of BSR/UL 2166-202x) Final Action Date: 12/8/2021

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

New Standard

ANSI/VITA 88.0-2021, Switched Mezzanine Card Plus (XMC+) Standard (new standard) Final Action Date: 12/9/2021

Call for Members (ANS Consensus Bodies)

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

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | fusarop@api.org, www.api.org

BSR/API 780-2013 (R202x), Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (reaffirmation of ANSI/API 780-2013)

BSR/API Specification 19AC/ISO 14998, 1st Edition-2016 (R202x), Specification for Completion Accessories (reaffirmation of ANSI/API Specification 19AC/ISO 14998, 1st Edition -2016)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S660 MONYEAR-202x, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators (new standard)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME PTC 1-202x, Performance Test Codes - General Instructions (revision of ANSI/ASME PTC 1-2015)

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

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

BSR/ASSP A10.24-202X, Roofing Safety Requirements for Low-Sloped Roofs (revision and redesignation of ANSI/ASSE A10.24-2014)

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakery@cta.tech, www.cta.tech

BSR/CTA 2006-D-202x, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-C)

CTA is seeking new members to join the consensus body. CTA and the R3 Audio Systems Committee are particularly interested in adding new members (called "users") who acquire audio products from those who create them, and in adding new members who neither produce nor use audio products, such as regulators, associations, and others (called members with a "general interest").

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakkers@cta.tech, www.cta.tech

BSR/CTA 2099-202x, Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)

CTA is seeking new members to join the consensus body. CTA and the R3 Audio Systems Committee are particularly interested in adding new members (called "users") who acquire audio products from those who create them, and in adding new members who neither produce nor use audio products, such as regulators, associations, and others (called members with a "general interest").

BSR/CTA 2105-202x, Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES LM-91 (C303)-202x, IES (Guide to) Approved Method: Application Distance Specific Radiometry (new standard)

BSR/IES/IUVA LM-92-202x, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (new standard)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

NSF (NSF International)

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

BSR/NSF 14-202x (i123r2), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

BSR/NSF/CAN 50-202x (i184r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

TIA (Telecommunications Industry Association)

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

BSR/TIA 4966-A-202x, Telecommunications Infrastructure Standard for Educational Facilities (revision and redesignation of ANSI/TIA 4966-2014)

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

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.

American National Standards (ANS) Announcements

Corrections

HL7 - Health Level Seven

BSR/HL7 V3 PASSAC, R1-2017 (R202x) is a Reaffirmation

The October 1, 2021 Standards Action - call for comment notice for BSR/HL7 V3 PASSAC, R1-202x was mistakenly described as a revision but is actually a (reaffirmation of ANSI/HL7 V3 PASSAC, R1-2017). Please direct inquiries to: Karen Van Hentenryck; Karenvan@HL7.org

Corrections

UL - Underwriters Laboratories

BSR/UL 1412-2012 (R202x) mistakenly listed as UL 2021

A November 26, 2021, Call for Comment notice mistakenly referenced an incorrect designation as UL 2021. This public review notice should have been designated as:

BSR/UL 1412-2012 (R202x), Standard for Safety for Fusing Resistors and Temperature-Limited Resistors for Radio- and Television-Type Appliances

(reaffirmation of ANSI/UL 1412-2012 (R2016))

Please direct inquiries to: Kelly Smoke; kelly.smoke@ul.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

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)
 - Home Innovation (Home Innovation Research Labs)
 - IES (Illuminating Engineering Society)
 - ITI (InterNational Committee for Information Technology Standards)
 - MHI (Material Handling Industry)
 - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
 - NCPDP (National Council for Prescription Drug Programs)
 - NEMA (National Electrical Manufacturers Association)
 - NISO (National Information Standards Organization)
 - NSF (NSF International)
 - PRCA (Professional Ropes Course Association)
 - RESNET (Residential Energy Services Network, Inc.)
 - SAE (SAE International)
 - TCNA (Tile Council of North America)
 - TIA (Telecommunications Industry Association)
 - UL (Underwriters Laboratories)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, 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

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AARST

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ADA (Organization)

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AISI

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ANS

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ASABE

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ASME

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ASSP (Safety)

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Park Ridge, IL 60068
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Tim Fisher
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ASTM

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AWS

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8669 NW 36th Street, Suite 130
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AWWA

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CRSI

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CSA

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CTA

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ANSI-Accredited Standards Developers Contact Information

HL7

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IAPMO (ASSE Chapter)

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18927 Hickory Creek Drive, Suite 220
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Marianne Waickman
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IES

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ISA (Organization)

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MHI

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8720 Red Oak Boulevard, Suite 201
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MSS

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NEMA (ASC C29)

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NEMA (ASC C8)

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NFPA

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VITA

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(VITA)

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Proposed Draft Guidance Documents for Public Comment

American National Standards (ANS) Process

Comment Deadline: February 7, 2022

Four proposed draft guidance documents are available for public comment. These four documents (three plus a separate table that will be incorporated into one of the documents) are intended to provide guidance with respect to the American National Standards (ANS) process and the 2022 *ANSI Essential Requirements*, which will be published on January 1, 2022. [An interim version of the 2022 ANSI Essential Requirements is available prior to January 1, 2022 here.](#)

Public comments received in connection with these draft proposed documents will be made available to the public, with attribution, in the ANSI Online Public Library within a reasonable time of the close of the public comment deadline. The ANSI Executive Standards Council (ExSC) will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by **February 7, 2022**. When submitting public comments, please organize your comments by document number (ExSC 115, ExSC 116, ExSC 117 and ExSC 117A) and include the following: 1) Line number(s) associated with each comment; 2) a brief explanation of your comment; and 3) suggested resolution of each comment. Thank you.

[Link to Proposed Draft Guidance Documents](#)

1. **ExSC_115_2021:** Engaging Consumers in Standards Development: Recommendations from Consumer Representatives
2. **ExSC_116_2021:** *Guidance re: Disclosure of Consensus Body Member Interests and Supporting Transparency in the American National Standards (ANS) Process*
3. **ExSC_117_2021:** *American National Standards (ANS): Interest Classification and Balance Assessment Guidance for Consumer-Product-Safety Standards and Standards that address Health and Safety of end-use Consumers*
4. **ExSC_117_A_2021:** *Table referenced in ExSC_117_2021*



ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is 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 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. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO 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.

Additive manufacturing (TC 261)

ISO/ASTM DIS 52926-5, Additive Manufacturing of metals - Qualification principles - Part 5: Qualification of operators for DED-Arc - 2/28/2022, \$46.00

ISO/ASTM DIS 52926-4, Additive Manufacturing of metals - Qualification principles - Part 4: Qualification of operators for DED-LB - 2/28/2022, \$46.00

ISO/ASTM DIS 52926-3, Additive Manufacturing of metals - Qualification principles - Part 3: Qualification of operators for PBF-EB - 2/28/2022, \$46.00

ISO/ASTM DIS 52926-2, Additive Manufacturing of metals - Qualification principles - Part 2: Qualification of operators for PBF-LB - 2/28/2022, \$46.00

ISO/ASTM DIS 52926-1, Additive Manufacturing of metals - Qualification principles - Part 1: General qualification of operators - 2/28/2022, \$46.00

ISO/ASTM DIS 52911-3, Additive Manufacturing - Design - Part 3: Electron beam powder bed fusion of metals - 2/28/2022, \$88.00

ISO/ASTM DIS 52902, Additive manufacturing - Test artifacts - Geometric capability assessment of additive manufacturing systems - 2/28/2022, \$107.00

Agricultural food products (TC 34)

ISO/DIS 5671, Spices and condiments - Dried chive (*Allium schoenoprasum* L.), cut and ground - Specification - 2/28/2022, \$33.00

Air quality (TC 146)

ISO/FDIS 23032, Meteorology - Ground-based remote sensing of wind - Radar wind profiler - 2/28/2022, \$155.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 22893, Space systems - Software product assurance (SPA) - 2/28/2022, \$58.00

ISO/DIS 24564, Space systems - Adhesives - General requirements - 2/28/2022, \$77.00

Anaesthetic and respiratory equipment (TC 121)

ISO/FDIS 23371, Anaesthetic and respiratory equipment - Cuff pressure indication, control and regulation devices - 2/28/2022, \$53.00

ISO/FDIS 80601-2-13, Medical electrical equipment - Part 2 -13: Particular requirements for basic safety and essential performance of an anaesthetic workstation - 2/28/2022, \$175.00

Applications of statistical methods (TC 69)

ISO/DIS 7870-2, Control charts - Part 2: Shewhart control charts - 2/28/2022, \$119.00

Building construction (TC 59)

ISO/DIS 12911, Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Framework for specification of building information modelling (BIM) implementation - 2/28/2022, \$82.00

Coalbed methane (CBM) (TC 263)

ISO/DIS 23604, Method of determining specific surface area of coal - 2/28/2022, \$53.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO/DIS 13315-1, Environmental management for concrete and concrete structures - Part 1: General principles - 2/28/2022, \$62.00

Corrosion of metals and alloys (TC 156)

ISO/FDIS 23721, Corrosion of metals and alloys - Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels - 2/28/2022, \$62.00

Dentistry (TC 106)

ISO/DIS 8325, Dentistry - Test methods for rotary instruments - 2/28/2022, \$58.00

ISO/DIS 20749, Dentistry - Pre-capsulated dental amalgam - 2/28/2022, \$102.00

ISO/DIS 23298, Dentistry - Test methods for machining accuracy of computer-aided milling machines - 2/28/2022, \$112.00

Documents and data elements in administration, commerce and industry (TC 154)

ISO/DIS 15000-3, Electronic business eXtensible Markup Language (eXML) - Part 3: Registry and repository - 2/28/2022, \$175.00

Fire safety (TC 92)

ISO/DIS 24678-2, Fire safety engineering - Requirements governing algebraic equations - Part 2: Fire plume - 2/28/2022, \$82.00

ISO/DIS 24678-3, Fire safety engineering - Requirements governing algebraic equations - Part 3: Ceiling jet flows - 2/28/2022, \$82.00

Fisheries and aquaculture (TC 234)

ISO/DIS 5020, Waste reduction and treatment on fishing vessels - 2/28/2022, \$53.00

Floor coverings (TC 219)

ISO 26986:2010/DAMd 1, Resilient floor coverings - Expanded (cushioned) poly(vinyl chloride) floor covering - Specification - Amendment 1 - 2/28/2022, \$29.00

Gas cylinders (TC 58)

ISO/FDIS 22434, Gas cylinders - Inspection and maintenance of valves - 2/28/2022, \$46.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19160-4, Addressing - Part 4: International postal address components and template language - 2/28/2022, \$134.00

Implants for surgery (TC 150)

ISO/FDIS 5832-5, Implants for surgery - Metallic materials - Part 5: Wrought cobalt-chromium-tungsten-nickel - 2/28/2022, \$33.00

Light metals and their alloys (TC 79)

ISO/DIS 21334, Titanium and titanium alloys - Strip for welded tubes - Technical delivery conditions - 2/28/2022, \$62.00

Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)

ISO/DIS 13704, Petroleum, petrochemical and natural gas industries - Calculation of heater-tube thickness in petroleum refineries - 2/28/2022, \$33.00

Measurement of fluid flow in closed conduits (TC 30)

ISO/DIS 5167-5, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 5: Cone meters - 2/28/2022, \$62.00

ISO/DIS 5167-6, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 6: Wedge meters - 2/28/2022, \$62.00

Mining (TC 82)

ISO/DIS 22932-3, Mining - Vocabulary - Part 3: Rock mechanics - 2/28/2022, \$119.00

ISO/DIS 22932-4, Mining - Vocabulary - Part 4: Prospecting and exploration - 2/28/2022, \$125.00

ISO/DIS 22932-5, Mining - Vocabulary - Part 5: Drilling and blasting - 2/28/2022, \$146.00

Nuclear energy (TC 85)

ISO/DIS 6980-3, Nuclear energy - Reference beta-particle radiation - Part 3: Calibration of area and personal dosimeters and the determination of their response as a function of beta radiation energy and angle of incidence - 2/28/2022, \$88.00

ISO/DIS 16659-1, Ventilation systems for nuclear facilities - In-situ efficiency test methods for iodine traps with solid sorbent - Part 1: General requirements - 2/28/2022, \$77.00

ISO/DIS 20785-3, Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 3: Measurements at aviation altitudes - 2/28/2022, \$67.00

Petroleum products and lubricants (TC 28)

ISO 13736:2021/DAmD 1, Determination of flash point - Abel closed-cup method - Amendment 1: bias statement update - 2/28/2022, \$33.00

Photography (TC 42)

ISO/DIS 12233, Photography - Electronic still picture imaging - Resolution and spatial frequency responses - 2/28/2022, \$134.00

Plastics (TC 61)

ISO/DIS 5623, Plastics - Joining of thermoplastic moulded components - Specification for quality levels for imperfections - 2/28/2022, \$71.00

ISO/DIS 6076, Adhesives - Installation of floor coverings, wood flooring, levelling compounds and tiles - Specification of trowel notch sizes - 2/28/2022, \$58.00

ISO/DIS 24187, Principles for the analysis of plastics and microplastics present in the environment - 2/28/2022, \$82.00

ISO/DIS 19095-5, Plastics - Evaluation of the adhesion interface performance in plastic-metal assemblies - Part 5: Fracture energy - 2/28/2022, \$58.00

Powder metallurgy (TC 119)

ISO/DIS 5842, Powder metallurgy - Hot isostatic pressing - Argon detection using gas chromatography and mass spectrometry techniques - 2/28/2022, \$58.00

Road vehicles (TC 22)

ISO/DIS 34502, Road vehicles - Scenario-based safety evaluation framework for Automated Driving Systems - 2/28/2022, \$155.00

ISO/DIS 22733-1, Road vehicles - Test method to evaluate the performance of autonomous emergency braking systems - Part 1: Car-to-car - 2/28/2022, \$71.00

Ships and marine technology (TC 8)

ISO/DIS 4845, Ships and marine technology - Combined rigging for deep-sea mooring - 2/28/2022, \$53.00

ISO/DIS 18813, Ships and marine technology - Survival equipment for survival craft and rescue boats - 2/28/2022, \$88.00

ISO/DIS 7496-2, Ships and marine technology - Vocabulary on inland navigation vessels - Part 2: Ship's shaftings - 2/28/2022, \$33.00

Sieves, sieving and other sizing methods (TC 24)

ISO/FDIS 20804, Determination of the specific surface area of porous and particulate systems by small-angle X-ray scattering (SAXS) - 2/28/2022, \$82.00

Sizing system, designations and marking for boots and shoes (TC 137)

ISO/DIS 19409, Footwear - Sizing - Measurement of last dimensions - 2/28/2022, \$77.00

ISO/DIS 19410-1, Footwear sizing - In-shoe measurement - Part 1: Shoe length - 2/28/2022, \$46.00

Soil quality (TC 190)

ISO/DIS 16387, Soil quality - Effects of contaminants on Enchytraeidae (Enchytraeus sp.) - Determination of effects on reproduction - 2/28/2022, \$82.00

ISO/DIS 18400-301, Soil quality - Sampling - Part 301: Sampling- and on site semi-quantitative determinations of volatiles in field investigations - 2/28/2022, \$119.00

Solid biofuels (TC 238)

ISO/DIS 5370, Solid biofuels - Determination of fines content in pellets. - 2/28/2022, \$71.00

Surface chemical analysis (TC 201)

ISO/DIS 14606, Surface chemical analysis - Sputter depth profiling - Optimization using layered systems as reference materials - 2/28/2022, \$67.00

ISO/FDIS 17109, Surface chemical analysis - Depth profiling - Method for sputter rate determination in X-ray photoelectron spectroscopy, Auger electron spectroscopy and secondary-ion mass spectrometry sputter depth profiling using single and multi-layer thin films - 2/28/2022, \$82.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO/DIS 21801-2, Cognitive accessibility - Part 2: Reporting - 2/28/2022, \$107.00

ISO/FDIS 7176-19, Wheelchairs - Part 19: Wheelchairs for use as seats in motor vehicles - 2/28/2022, \$155.00

Tobacco and tobacco products (TC 126)

ISO/DIS 24197, Vapour products - Determination of e-liquid vaporised mass and aerosol collected mass - 2/28/2022, \$53.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 5231, Extended Farm Management Information Systems Data Interface (EFDI) - 2/28/2022, \$102.00

ISO/DIS 11783-7, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 7: Implement messages application layer - 2/28/2022, \$93.00

Traditional Chinese medicine (TC 249)

ISO/DIS 19609-4, Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 4: Testing for preservatives and unwanted compounds - 2/28/2022, \$77.00

Water quality (TC 147)

ISO/DIS 13164-4, Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting - 2/28/2022, \$67.00

Welding and allied processes (TC 44)

ISO/DIS 15614-5, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 5: Arc welding of titanium, zirconium and their alloys - 2/28/2022, \$88.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27001:2013/DAMd 1, Information technology - Security techniques - Information security management systems - Requirements - Amendment 1 - 2/28/2022, \$58.00

ISO/IEC 19086-2:2018/DAMd 1, Cloud computing - Service level agreement (SLA) framework - Part 2: Metric model - Amendment 1 - 2/28/2022, \$33.00

ISO/IEC DIS 26564, Software and systems engineering - Methods and tools for product line measurement - 2/28/2022, \$107.00

ISO/IEC DIS 18047-63, Information technology - Radio frequency identification device conformance test methods - Part 63: Test methods for air interface communications at 860 MHz to 960 MHz - 2/28/2022, \$194.00

ISO/IEC/IEEE DIS 26531, Systems and software engineering - Content management for product life cycle, user and service management information for users - 2/28/2022, \$125.00



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

Aircraft and space vehicles (TC 20)

[ISO 8177:2021](#), Aerospace - Omega clamps (saddle clamps) for fluid systems - Dimensions, \$48.00

[ISO 21384-2:2021](#), Unmanned aircraft systems - Part 2: UAS components, \$200.00

Cosmetics (TC 217)

[ISO 24443:2021](#), Cosmetics - Determination of sunscreen UVA photoprotection in vitro, \$200.00

Document imaging applications (TC 171)

[ISO 22550:2021](#), Document management - AFP interchange for PDF, \$175.00

Ergonomics (TC 159)

[ISO 8996:2021](#), Ergonomics of the thermal environment - Determination of metabolic rate, \$175.00

Fire safety (TC 92)

[ISO 834-1:1999/Amd 2:2021](#), Fire-resistance tests - Elements of building construction - Part 1: General requirements - Amendment 2, \$20.00

[ISO 23693-1:2021](#), Determination of the resistance to gas explosions of passive fire protection materials - Part 1: General requirements, \$73.00

Industrial trucks (TC 110)

[ISO 23434-1:2021](#), Industrial trucks - Sustainability - Part 1: Vocabulary, \$48.00

[ISO 23434-2:2021](#), Industrial trucks - Sustainability - Part 2: Factors and reporting, \$73.00

Information and documentation (TC 46)

[ISO 10957:2021](#), Information and documentation - International standard music number (ISMN), \$73.00

Mechanical testing of metals (TC 164)

[ISO 18338:2021](#), Metallic materials - Torsion test at room temperature, \$111.00

Paints and varnishes (TC 35)

[ISO 16925:2021](#), Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting, \$111.00

[ISO 8130-4:2021](#), Coating powders - Part 4: Calculation of lower explosion limit, \$48.00

Pallets for unit load method of materials handling (TC 51)

[ISO 8611-1:2021](#), Pallets for materials handling - Flat pallets - Part 1: Test methods, \$175.00

[ISO 8611-2:2021](#), Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests, \$111.00

Paper, board and pulps (TC 6)

[ISO 7213:2021](#), Pulps - Sampling for testing, \$48.00

[ISO 13820:2021](#), Paper, board and corrugated fibreboard - Description and calibration of fixed platen compression-testing equipment, \$48.00

Personal safety - Protective clothing and equipment (TC 94)

[ISO 22568-4:2021](#), Foot and leg protectors - Requirements and test methods for footwear components - Part 4: Non-metallic perforation resistant inserts, \$111.00

Photography (TC 42)

[ISO 18913:2021](#), Imaging materials - Permanence - Vocabulary, \$48.00

Plastics (TC 61)

[ISO 527-4:2021](#), Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites, \$175.00

Road vehicles (TC 22)

[ISO 7876-5:2021](#), Fuel injection equipment - Vocabulary - Part 5: Common rail fuel injection system, \$48.00

Ships and marine technology (TC 8)

[ISO 20602:2019/Amd 1:2021](#), Ships and marine technology - Check valves for use in low temperature applications - Design and testing requirements - Amendment 1, \$20.00

[ISO 23040:2021](#), Marine environment impact assessment (MEIA) - Specification for marine sediments in seabed areas - Survey of interstitial biota, \$250.00

Soil quality (TC 190)

[ISO 24032:2021](#), Soil quality - In situ caging of snails to assess bioaccumulation of contaminants, \$225.00

Solid mineral fuels (TC 27)

[ISO 975:2021](#), Brown coals and lignites - Determination of yield of benzene-soluble extract - Semi-automatic method, \$48.00

[ISO 5072:2021](#), Brown coals and lignites - Determination of true relative density and apparent relative density, \$73.00

[ISO 5073:2021](#), Brown coals and lignites - Determination of humic acids, \$73.00

[ISO 5071-1:2021](#), Brown coals and lignites - Determination of the volatile matter in the analysis sample - Part 1: Two-furnace method, \$73.00

Technical systems and aids for disabled or handicapped persons (TC 173)

[ISO/DIS 21801-2](#), Cognitive accessibility - Part 2: Reporting, FREE

Thermal insulation (TC 163)

[ISO 22482:2021](#), Thermal insulation products - Aerogel blanket for buildings - Specification, \$111.00

Traditional Chinese medicine (TC 249)

[ISO 23419:2021](#), Traditional Chinese medicine - General requirements for manufacturing procedures and quality assurance of granules, \$111.00

Transport information and control systems (TC 204)

[ISO 23376:2021](#), Intelligent transport systems - Vehicle-to-vehicle intersection collision warning systems (VVICW) - Performance requirements and test procedures, \$111.00

Welding and allied processes (TC 44)

[ISO 10675-1:2021](#), Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1: Steel, nickel, titanium and their alloys, \$111.00

[ISO 10675-2:2021](#), Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 2: Aluminium and its alloys, \$111.00

ISO Technical Reports**Fire safety (TC 92)**

[ISO/TR 20413:2021](#), Fire safety engineering - Survey of performance-based fire safety design practices in different countries, \$175.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 24372:2021](#), Information technology - Artificial intelligence (AI) - Overview of computational approaches for AI systems, \$175.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30193:2021](#), Information technology - Digitally recorded media for information interchange and storage - 120 mm triple layer (100,0 Gbytes per disk) BD rewritable disk, \$250.00

IEC Standards**Audio, video and multimedia systems and equipment (TC 100)**

[IEC 60958-1 Ed. 4.0 b:2021](#), Digital audio interface - Part 1: General, \$221.00

[IEC 60958-3 Ed. 4.0 b:2021](#), Digital audio interface - Part 3: Consumer applications, \$392.00

Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)

[IEC 61935-2-21 Ed. 1.0 en:2021](#), Specification for the testing of balanced and coaxial information technology cabling - Part 2-21: Category 6 cords as specified in ISO/IEC 11801-1 - Blank detail specification, \$51.00

[IEC 61935-2-22 Ed. 1.0 en:2021](#), Specification for the testing of balanced and coaxial information technology cabling - Part 2-22: Category 6_A cords as specified in ISO/IEC 11801-1 - Blank detail specification, \$51.00

Electrical accessories (TC 23)

[IEC 61386-21 Ed. 2.0 b:2021](#), Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems, \$89.00

Electrical equipment in medical practice (TC 62)

[IEC 61223-3-7 Ed. 1.0 b:2021](#), Evaluation and routine testing in medical imaging departments - Part 3-7: Acceptance and constancy tests - Imaging performance of X-ray equipment for dental cone beam computed tomography, \$310.00

Fibre optics (TC 86)

[IEC 61280-4-1 Amd.1 Ed. 3.0 b:2021](#), Amendment 1 - Fibre-optic communication subsystem test procedures - Part 4-1: Installed cabling plant - Multimode attenuation measurement, \$13.00

[IEC 61280-4-1 Ed. 3.1 b:2021](#), Fibre-optic communication subsystem test procedures - Part 4-1: Installed cabling plant - Multimode attenuation measurement, \$506.00

Lamps and related equipment (TC 34)

[IEC 61347-2-7 Amd.2 Ed. 3.0 b:2021](#), Amendment 2 - Lamp controlgear - Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained), \$133.00

[IEC 61347-2-7 Ed. 3.2 b:2021](#), Lamp controlgear - Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained), \$633.00

Safety of household and similar electrical appliances (TC 61)

[IEC 60335-1 Ed. 6.0 en Cor.1:2021](#), Corrigendum 1 - Household and similar electrical appliances - Safety - Part 1: General requirements, \$0.00

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

[IEC 61439-1 Ed. 3.0 b Cor.1:2021](#), Corrigendum 1 - Low-voltage switchgear and controlgear assemblies - Part 1: General rules, \$0.00

[IEC 60947-6-2 Ed. 3.0 b Cor.1:2021](#), Corrigendum 1 - Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS), \$0.00

IEC Technical Reports**Steam turbines (TC 5)**

[IEC/TR 63388 Ed. 1.0 en:2021](#), Report on the development of cogeneration, \$310.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 29/SC 9 - Tools with Defined Cutting Edges, Holding Tools, Cutting Items, Adaptive Items and Interfaces

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 29/SC 9 – *Tools with defined cutting edges, holding tools, cutting items, adaptive items and interfaces* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 29/SC 9 operates under the following scope:

Tools with defined cutting edges, cutting items having functional dimensions linked with cutting edges

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

ISO New Work Item Proposal

Driver Training - Intelligent Training System for Vehicle Driving

Comment Deadline: December 31, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on *Driver training — Intelligent training system for vehicle driving*, with the following scope statement:

The document specifies the terms and definitions, requirements (including the function requirements and performance requirements), test methods, packaging, transportation and storage of the intelligent training system for vehicle driving, not including the equipments of this system. This document is applicable to the design, development and delivery of the intelligent training system for vehicle driving.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 31, 2021.

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

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.

Supplement 1 to AISI S310-20:

1. Replace AISI S310-20 Section B1 with the following:

B1 Safety Factors and Resistance Factors of Diaphragms With Steel Supports

For *diaphragms* or *wall diaphragms* with steel support and no concrete fill, the *safety* and *resistance factors* shall be determined in accordance with Section B1.1. For *diaphragms* with *structural* or *insulating concrete* fill, the *safety* and *resistance factors* shall be determined in accordance with Sections D4.1 and D4.2.

2. Replace AISI S310-20 Section D4 with the following:

D4 Steel Deck Diaphragms With Structural Concrete or Insulating Concrete Fills

The *available diaphragm shear strength [factored resistance]* per unit length with *insulating concrete* fill placed on *deck* or *form deck* on level or sloped roofs, or with *structural concrete* placed on *composite* or *form deck* in floor or roof *diaphragms*, shall be determined in accordance with Section D4.1 or D4.2, as applicable, provided the following limitations are met:

- (a) 0.5 in. (12.7 mm) \leq steel *deck* depth \leq 3 in. (76.2 mm),
- (b) 0.014 in. (0.356 mm) \leq base steel *deck* thickness \leq 0.075 in. (1.91 mm),
- (c) Types of fasteners to the framing include steel headed stud anchors, welds with or without washers, screws, and *power-actuated fasteners*,
- (d) 33 ksi (230 MPa) \leq specified F_y of steel *deck* \leq 80 ksi (550 MPa),
45 ksi (310 MPa) \leq specified F_u of steel *deck* \leq 82 ksi (565 MPa),
- (e) *Structural concrete* fill has a minimum thickness of 2 in. (50.8 mm) over top of *form deck* and 2 in. (50.8 mm) over *composite deck*,
- (f) The maximum design thickness of fill over the top of *deck* is 6 in. (152 mm),
- (g) For lightweight *insulating concrete* without polystyrene inserts, the minimum thickness over the top of *form deck* is 2.5 in. (63.5 mm),
- (h) For lightweight *insulating concrete* with polystyrene insulating board, the minimum thickness over the top of the insulating board is 2 in. (50.8 mm). Insulation board is not installed within 3 ft (0.915 m) of a *lateral force-resisting system* line if the *insulating concrete* fill contributes to the *nominal diaphragm shear strength [resistance]* per unit length.
- (i) *Structural concrete* has a specified compressive strength, f'_c , not less than 2500 psi (17.2 MPa), and
- (j) *Insulating concrete* aggregate conforms to ASTM C332.

D4.1 Structural Concrete-Filled Diaphragms

The *available diaphragm shear strength [factored resistance]* per unit length with *structural concrete* placed on *composite* or *form deck* in floor or roof *diaphragms* shall be the smaller of the strength based on diagonal tension in the field of the *diaphragm* in accordance with Section D4.1.1, and the fastener strength at locations where forces are transferred into or out of the *diaphragm* in accordance with Section D4.1.2.

D4.1.1 Diagonal Tension Limit State

For the limit state of diagonal tension in the field of the *diaphragm*, the *nominal shear strength [resistance]* per unit length of *diaphragms* with *structural concrete* fill shall be calculated using Eq. D4.1.1-1.

$$S_n = k_c \lambda_{LW} b t_e \sqrt{f'_c} \quad (\text{Eq. D4.1.1-1})$$

$$\Omega = 2.00 \quad \text{for ASD}$$

$$\phi = 0.80 \quad \text{for LRFD}$$

$$= 0.75 \quad \text{for LSD}$$

where

S_n = Nominal shear strength [resistance] per unit length of *diaphragm* system with *structural concrete* fill, kip/ft (kN/m)

k_c = Factor for *structural concrete* strength

$$= 3.2/1000 \quad \text{For U.S. Customary units} \quad (\text{Eq. D4.1.1-2a})$$

$$= 0.266/1000 \quad \text{For SI units} \quad (\text{Eq. D4.1.1-2b})$$

λ_{LW} = Factor for lightweight concrete

$$= 1.0 \quad \text{For normalweight concrete}$$

$$= 0.75 \quad \text{For lightweight concrete}$$

$$= 0.85 \quad \text{For sand-lightweight concrete}$$

b = Unit width of *diaphragm* with *structural concrete* fill, 12 in. for U. S. Customary units and 1000 mm for SI units

t_e = Equivalent transformed concrete thickness, in. (mm)

$$= t_a + n_{sc} t \frac{d}{s} \quad (\text{Eq. D4.1.1-3})$$

t_a = Average thickness of *structural concrete*, calculated as the cross-sectional area of the *structural concrete* over one *deck panel* divided by the width of the *deck panel*, in. (mm)

n_{sc} = Modular ratio of steel *deck* to concrete

$$= \frac{E}{E_c} \quad (\text{Eq. D4.1.1-4})$$

E = Modulus of elasticity of steel

E_c = Modulus of elasticity of concrete in accordance with ACI 318

t = Base steel *thickness* of *panel*, in. (mm)

d = *Panel* corrugation *pitch*. See Figure D2-1, in. (mm)

s = Developed flute width per *pitch*. Defined in Section D2, in. (mm)

f'_c = Specified concrete compressive strength, psi (MPa)

D4.1.2 Fastener Strength Limit State

For the limit state of fastener strength at locations where forces are transferred into or out of the *diaphragm*, the number of fasteners to resist the *required shear strength* [shear force due to *factored loads*] at locations where *structural concrete* filled steel *deck diaphragms* are connected to the *lateral force resisting system* parallel or perpendicular to the deck span shall be determined based on the *available shear strength [factored resistance]* of the individual fasteners determined in accordance with D4.1.2.1 or D4.1.2.2.

User Note:

Fasteners to attach the *deck* sheets to supporting members and to adjacent sheets in accordance with applicable codes and standards are required in addition to those required for shear transfer to the *lateral force-resisting system*. At locations where those support fastener locations coincide, the fasteners used for shear transfer may replace the other fasteners.

D4.1.2.1 Steel Headed Stud Anchors

The *available strength [factored resistance]* of steel headed stud anchors shall be determined using the *nominal strength [resistance]* in accordance with ANSI/AISC 360, and the *safety and resistance factors* given in this section. The maximum and minimum spacing and the edge distance shall be limited in accordance with ANSI/AISC 360. The welding of the steel headed stud anchors to the supporting material shall be in accordance with ANSI/AWS D1.1.

$$\begin{aligned}\Omega &= 3.00 \text{ for ASD} \\ \phi &= 0.55 \text{ for LRFD} \\ &= 0.50 \text{ for LSD}\end{aligned}$$

D4.1.2.2 Welds, Screws or Other Fasteners

The individual weld or screw *available shear strength [factored resistance]* shall be determined in accordance with AISI S100 Chapter J.

The individual fastener *available shear strength [factored resistance]* for other fasteners shall be determined by testing in accordance with AISI S100 Sections K1 and K2. The *safety and resistance factors* shall be as determined in accordance with AISI S100 Eqs. K2.1.2-2 and K2.1.1-2.

D4.2 Strength of Lightweight Insulating Concrete-Filled Diaphragms

The *available diaphragm shear strength [factored resistance]* per unit length with lightweight insulating concrete filled *diaphragms* shall be the smaller strength determined by the connection strengths within or at the edge of filled *diaphragm* in accordance with Section D4.2.1 and fastener strengths at the locations where forces are transferred into or out of the *diaphragm* in accordance with Section D4.2.2.

D4.2.1 Strength of Lightweight Insulation Filled Diaphragm

The *nominal shear strength [resistance]* per unit length of *insulating concrete-filled diaphragms* controlled by *connections* at *interior panels* or *edge panels* and fill shear strength shall be calculated using Eq. D4.2.1-1 or Eq. D4.2.1-2, as applicable. The following *safety and resistance factors* shall be used to determine the *available strength [factored resistance]*:

$$\begin{aligned}\Omega &= 3.25 \text{ for ASD} \\ \phi &= 0.50 \text{ for LRFD} \\ &= 0.45 \text{ for LSD}\end{aligned}$$

It is permitted to ignore the contribution of *insulating concrete fill* and to determine the *nominal diaphragm shear strength [resistance]* per unit length based on the *deck* alone and

controlled by the smallest of Eqs. D1-1, D1-2 and D1-3.

(a) *Insulating concrete without insulating board in fill:*

$$S_{ni} = \frac{\beta P_{nf}}{L} + \frac{4}{3000} b d_c \sqrt{f'_c} \quad \text{for U.S. Customary units} \quad (\text{Eq. D4.2.1-1a})$$

$$S_{ni} = \frac{\beta P_{nf}}{L} + 1.11 (10)^{-4} b d_c \sqrt{f'_c} \quad \text{for SI units} \quad (\text{Eq. D4.2.1-1b})$$

(b) *Insulating concrete with insulating board in fill:*

$$S_{ni} = \frac{\beta P_{nf}}{L} + 0.064 \sqrt{f'_c} \quad \text{for U.S. Customary units} \quad (\text{Eq. D4.2.1-2a})$$

$$S_{ni} = \frac{\beta P_{nf}}{L} + 11.2 \sqrt{f'_c} \quad \text{for SI units} \quad (\text{Eq. D4.2.1-2b})$$

where

β = Factor defining connection interaction contribution to *diaphragm* shear strength per unit length in Eq. D1-5

P_{nf} = *Nominal shear strength [resistance]* of a support connection per fastener defined in Section D1.1, kip (kN)

L = Total panel length, ft (m)

b = Unit width of *diaphragm* with structural concrete fill

= 12 in. in customary units

= 1000 mm in SI units

d_c = *Insulating concrete* thickness above top of *deck*, in. (mm)

f'_c = Specified *insulating concrete* compressive strength, psi (MPa)

D4.2.2 Fasteners at Lateral Load Transfer Locations

For the limit state of fastener strength at locations where forces are transferred into or out of the diaphragm, the number of fasteners to resist the *required shear strength* [shear force due to *factored loads*] at locations where *insulating concrete-filled diaphragms* are connected to the *lateral force-resisting system* parallel or perpendicular to the *deck* span shall be determined based on the *available shear strength [factored resistance]* of the individual fasteners.

The *nominal shear strength [resistance]* of screws and welds at locations of lateral force transfer shall be determined in accordance with AISI S100 Chapter J. The *safety* and *resistance factors* shall be as provided in the relevant sections in Chapter J of AISI S100, but no less conservative than the *safety* and *resistance factors* provided in Section D4.2.1.

The individual fastener *available shear strength [factored resistance]* for other fasteners shall be determined by testing in accordance with AISI S100 Sections K1 and K2. The *safety* and *resistance factors* shall be as determined in accordance with AISI S100 Eqs. K2.1.2-2 and K2.1.1-2, but no less conservative than the factors provided in D4.2.1.

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

NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

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9 Quality assurance

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9.4 Verification of the calibration of equipment

9.4.1 Verification

The calibration of all equipment used to check critical dimensions (as defined in Section 5.4) shall be verified weekly.

NOTE — Consideration is given to thread gauges and go / no-go socket gauges which cannot be verified on a weekly basis. In lieu of verification, this equipment shall be calibrated in accordance with Section 9.4.2.

The calibration of all in-line equipment used to check pipe or tubing critical dimensions during the extrusion process shall be performed at a minimum of once annually.

NOTE – An equipment is defined as being in-line if it is part of the extrusion line and collecting critical dimensions data.

Other equipment, (including, but not limited to pressure gauges, scales, etc.) shall be verified at a minimum of once annually.

Verification shall consist of checking the zero point, if applicable, and the critical dimension or a point near the upper limit of the instrument.

Records of equipment verification shall include the following:

- date that the verification was performed;
- identity of the equipment verified (description and serial number);
- verification data;
- description of any corrective actions taken, if applicable; and
- identity of the person who performed the verification.

Variations from these minimum requirements shall be permitted if an alternate program is established in writing and determined to be equivalent.

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Issue 123, Revision 2 (December 2021)

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9.4.2 Calibration

Where applicable, calibrations of equipment, or references used for verification (e.g., gauge blocks, weights, etc.), shall be traceable to the SI (International System of Units) through a recognized calibration laboratory (such as NIST, NPL, NRC, etc.). Checks needed to maintain confidence in the calibration status of the equipment or reference shall be carried out according to defined procedures, or schedules, or both, established by the manufacturing facility; and based on its stability, purpose, and usage.

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

NSF/ANSI Standard for Recreational Water Facilities

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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4 Swimming pool water contact materials

4.1 Materials

Materials shall not sustain permanent damage or deformation when subject to repeated handling associated with the routine operation and maintenance of the equipment.

Materials intended to be in contact with swimming pool or spa / hot tub water shall not impart undesirable levels of contaminants or color to the water, as determined in accordance with Annex N-1. The following items are exempt from the material review procedures described in Annex N-1:

- swimming pool and spa / hot tub components with a surface area less than 100 in² (650 cm²) in direct contact with water;
- swimming pool components with a mass less than 1.4 oz (40 g);
- spa / hot tub components with a mass less than 0.07 oz (2 g);
- components made entirely from materials acceptable for use as a direct or indirect food additive in accordance with 21 CFR 170-199^{Error! Bookmark not defined.} (Food and Drugs);
- glass (virgin, not recycled);
- series AISI 200, 300, or 400 stainless steel;
- titanium alloy grade 1 and 2; and
- gray cast iron (ASTM A48, ASTM A126, ASTM A278);

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— ductile cast iron (ASTM A536);

— carbon steel (ASTM A36, ASTM A516GR70, ASTM A53GRB, ASTM A106 and ASTM A105B16);

— quartz (21 CFR 172.480);

— brass copper alloy (Series C 20000 and 30000), Brass copper alloys may require extraction testing to determine suitability for the designated end use (NSF/ANSI 51 Food Equipment Materials) ; and

— coatings and components made from materials acceptable for use in contact with potable water in accordance with NSF/ANSI 14 (potable water material requirements), NSF/ANSI 42, NSF/ANSI 51, or NSF/ANSI/CAN 61. In order to be qualified under NSF/ANSI 14, NSF/ANSI 42, or NSF/ANSI/CAN 61, the surface area to water volume ratio of the intended use conditions shall meet the requirements of NSF/ANSI/CAN 61 when evaluated to the total allowable concentration (TAC) requirements of the Standard.

Materials listed under the United States Code of Federal Regulations, Title 21 (Food and Drugs) Part 189 *Substances prohibited for use in human food*, shall not be permitted as ingredients within material contacting pool, spa, or hot tub water. This includes arsenic, beryllium, cadmium, mercury, or thallium. Lead shall also not be used as an international ingredient in any water contact material except for products meeting the US Safe Drinking Water Act definition of lead free ($\leq 0.25\%$ weighted average lead content).

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UL 486L, Standard for Safety for Large Ferrules

6. Construction Requirements

6.1 General

6.1.1 A ferrule shall be provided with one opening to accept one stranded type of copper conductor applied with compression tooling.

6.1.2 A ferrule shall comply with the dimensional requirements in Table 1 and Figures 1 and 2. [Longer lengths are permitted.](#)

~~Note: Longer lengths may be used.~~

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BSR/UL 94, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1. UL 94 5VB Flame Result Judgment – Sample Consumption before 5th Flame Application

Table 9.1
5V Burning Classifications

Criteria	5VA	5VB
Afterflame time plus afterglow time after the fifth flame application (t1+t2) for each individual bar specimen ^a	≤60s	≤60s
The cotton pad indicator (see 5.13) ignited by flaming particles or drops from any bar test specimen?	No	No
Classified as V-0 or V-1?	Yes	Yes
Either	No	Yes
<ul style="list-style-type: none"> • burn-through occurs with any of the individual plate test specimens • no plate test specimens have been tested 		
^a Full consumption of bar specimens or burning up to the holding clamp before the fifth flame application is acceptable for the bar specimen criteria.		

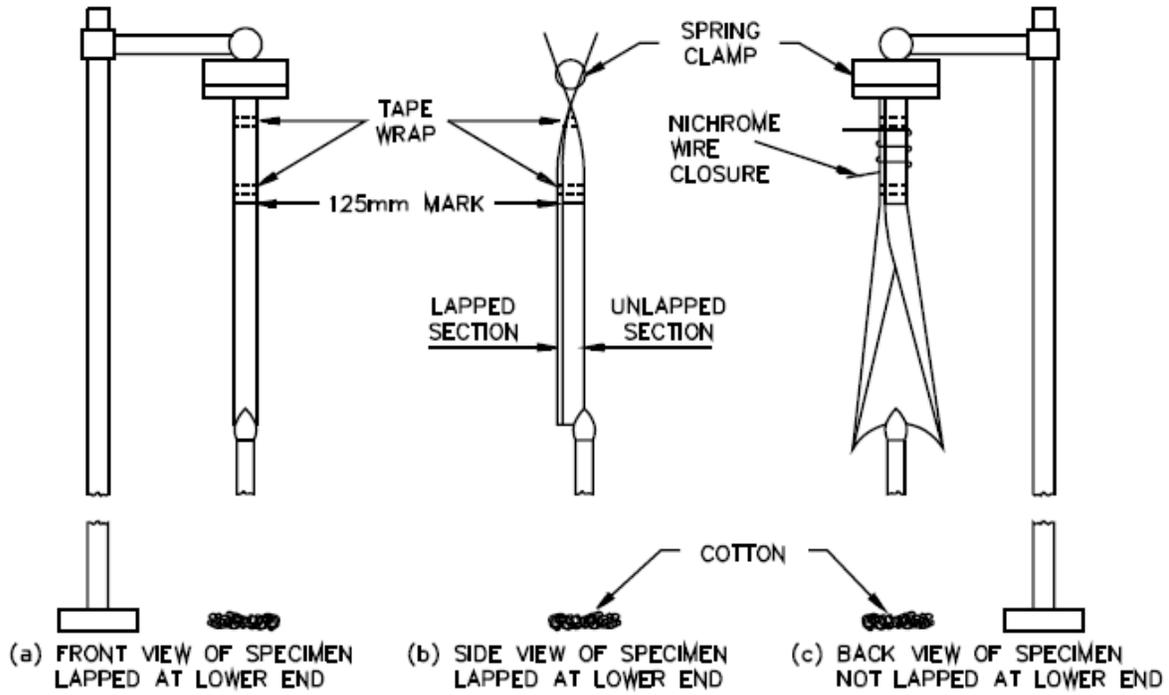
2. Clarification of Requirements for VTM Test Sample Preparation – Application of Tape in UL 94

11.3.2 Test specimens are to be prepared by marking a line across the specimen width 125 mm from one end (bottom) of the cut specimen. The longitudinal axis of the specimen is to be wrapped tightly around the longitudinal axis of a 12.7 ±0.5 mm diameter mandrel to form a lapped cylinder 200 mm long with the 125 mm line exposed. The overlapping ends of the specimen are to be secured within the 75 mm portion by means of pressure sensitive tape applied immediately above the 125 mm mark (upper tube section) as well as the upper end of the tube by means of pressure sensitive tape or throughout the 75 mm portion above the 125 mm mark. The mandrel is then to be removed.

Note: If the material is prone to developing static charges which make the formation of a cylinder difficult, the unformed specimen is to be deionized by a device or material intended for that purpose.

Note from the STP Project Manager: This proposal includes the replacement of the current graphic for Figure 11.1. An illustration of the proposed new graphic for Figure 11.1 is located in the Supporting Documentation section of the CSDS UL 94 Proposal Review Work Area dated December 17, 2021.

**Figure 11.1
Specimen orientation**



FT270



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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/21/2021	12/27/2021	Jan 7	2/6/2022	2/21/2022	3/8/2022
2	12/28/2021	1/3/2022	Jan 14	2/13/2022	2/28/2022	3/15/2022
3	1/4/2022	1/10/2022	Jan 21	2/20/2022	3/7/2022	3/22/2022
4	1/11/2022	1/17/2022	Jan 28	2/27/2022	3/14/2022	3/29/2022
5	1/18/2022	1/24/2022	Feb 4	3/6/2022	3/21/2022	4/5/2022
6	1/25/2022	1/31/2022	Feb 11	3/13/2022	3/28/2022	4/12/2022
7	2/1/2022	2/7/2022	Feb 18	3/20/2022	4/4/2022	4/19/2022
8	2/8/2022	2/14/2022	Feb 25	3/27/2022	4/11/2022	4/26/2022
9	2/15/2022	2/21/2022	Mar 4	4/3/2022	4/18/2022	5/3/2022
10	2/22/2022	2/28/2022	Mar 11	4/10/2022	4/25/2022	5/10/2022
11	3/1/2022	3/7/2022	Mar 18	4/17/2022	5/2/2022	5/17/2022
12	3/8/2022	3/14/2022	Mar 25	4/24/2022	5/9/2022	5/24/2022
13	3/15/2022	3/21/2022	Apr 1	5/1/2022	5/16/2022	5/31/2022
14	3/22/2022	3/28/2022	Apr 8	5/8/2022	5/23/2022	6/7/2022
15	3/29/2022	4/4/2022	Apr 15	5/15/2022	5/30/2022	6/14/2022
16	4/5/2022	4/11/2022	Apr 22	5/22/2022	6/6/2022	6/21/2022
17	4/12/2022	4/18/2022	Apr 29	5/29/2022	6/13/2022	6/28/2022
18	4/19/2022	4/25/2022	May 6	6/5/2022	6/20/2022	7/5/2022
19	4/26/2022	5/2/2022	May 13	6/12/2022	6/27/2022	7/12/2022
20	5/3/2022	5/9/2022	May 20	6/19/2022	7/4/2022	7/19/2022
21	5/10/2022	5/16/2022	May 27	6/26/2022	7/11/2022	7/26/2022
22	5/17/2022	5/23/2022	Jun 3	7/3/2022	7/18/2022	8/2/2022
23	5/24/2022	5/30/2022	Jun 10	7/10/2022	7/25/2022	8/9/2022
24	5/31/2022	6/6/2022	Jun 17	7/17/2022	8/1/2022	8/16/2022
25	6/7/2022	6/13/2022	Jun 24	7/24/2022	8/8/2022	8/23/2022
26	6/14/2022	6/20/2022	Jul 1	7/31/2022	8/15/2022	8/30/2022
27	6/21/2022	6/27/2022	Jul 8	8/7/2022	8/22/2022	9/6/2022
28	6/28/2022	7/4/2022	Jul 15	8/14/2022	8/29/2022	9/13/2022
29	7/5/2022	7/11/2022	Jul 22	8/21/2022	9/5/2022	9/20/2022



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31	7/19/2022	7/25/2022	Aug 5	9/4/2022	9/19/2022	10/4/2022
32	7/26/2022	8/1/2022	Aug 12	9/11/2022	9/26/2022	10/11/2022
33	8/2/2022	8/8/2022	Aug 19	9/18/2022	10/3/2022	10/18/2022
34	8/9/2022	8/15/2022	Aug 26	9/25/2022	10/10/2022	10/25/2022
35	8/16/2022	8/22/2022	Sep 2	10/2/2022	10/17/2022	11/1/2022
36	8/23/2022	8/29/2022	Sep 9	10/9/2022	10/24/2022	11/8/2022
37	8/30/2022	9/5/2022	Sep 16	10/16/2022	10/31/2022	11/15/2022
38	9/6/2022	9/12/2022	Sep 23	10/23/2022	11/7/2022	11/22/2022
39	9/13/2022	9/19/2022	Sep 30	10/30/2022	11/14/2022	11/29/2022
40	9/20/2022	9/26/2022	Oct 7	11/6/2022	11/21/2022	12/6/2022
41	9/27/2022	10/3/2022	Oct 14	11/13/2022	11/28/2022	12/13/2022
42	10/4/2022	10/10/2022	Oct 21	11/20/2022	12/5/2022	12/20/2022
43	10/11/2022	10/17/2022	Oct 28	11/27/2022	12/12/2022	12/27/2022
44	10/18/2022	10/24/2022	Nov 4	12/4/2022	12/19/2022	1/3/2023
45	10/25/2022	10/31/2022	Nov 11	12/11/2022	12/26/2022	1/10/2023
46	11/1/2022	11/7/2022	Nov 18	12/18/2022	1/2/2023	1/17/2023
47	11/8/2022	11/14/2022	Nov 25	12/25/2022	1/9/2023	1/24/2023
48	11/15/2022	11/21/2022	Dec 2	1/1/2023	1/16/2023	1/31/2023
49	11/22/2022	11/28/2022	Dec 9	1/8/2023	1/23/2023	2/7/2023
50	11/29/2022	12/5/2022	Dec 16	1/15/2023	1/30/2023	2/14/2023
51	12/6/2022	12/12/2022	Dec 23	1/22/2023	2/6/2023	2/21/2023
52	12/13/2022	12/19/2022	Dec 30	1/29/2023	2/13/2023	2/28/2023