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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.

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 www.aiaa.org Contact: Nick Tongson; NickT@aiaa.org

New Standard

BSR/AIAA S-155-202x, Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) - Spacecraft Fiducial Markers (new standard)

Stakeholders: This standard is intended to apply to a broad array of RPO/OOS industry participants from spacecraft equipment manufacturers, spacecraft operators, service providers, developers of RPO/OOS simulation, planning and safety tools, and insurers.

Project Need: As spacecraft rendezvous and servicing (including docking/berthing) and assembly grow, the need for fiducial markers becomes significant. Spacecraft operators and autonomous systems will use fiducial markers to identify spacecraft and spacecraft connection points. While originally limited to spacecraft servicing operators and system interface providers (for both client spacecraft and servicing spacecraft), it is anticipated that debris removal and on-orbit and planetary system assembly will use fiducial markers of some sort.

Scope: To establish Rendezvous and Proximity Operations (RPO) and On-Orbit Servicing (OOS) operating zones and approaches in the rendezvous phase. The standard also covers both robotic and Human Spaceflight (HSF) missions. International Space Station practices, SpaceLogisitics MEV-1 and NASA's Restore-L are used as a basis for this standard. It is intended to help establish responsible norms of behavior for RPO and OOS that industry participants will achieve and promote throughout the global industry.

ALI (ASC A14) (American Ladder Institute)

330 N. Wabash Avenue, Suite 2000, Chicago, IL 60611-6610 www.americanladderinstitute.org Contact: Pam O'Brien; info@americanladderinstitute.org

Revision

BSR A14.4-202x, Standard Safety Requirements for Job-Made Wooden Ladders (revision of ANSI A14.4-2018)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Start of the incorporation of updates and necessary changes for the next 5-year revision cycle Scope: This safety standard prescribes minimum requirements and recommendations for the construction, design, installation, and use of job-made wooden ladders in order to minimize personal injuries. This standard does not cover portable manufactured or portable job-made ladders, permanent fixed ladders, or mobile-equipment ladders. The purpose of this standard is to provide reasonable safety for life and limb during any construction or demolition operation where conditions are not practical or permit the erection of temporary stairs or ramps. This standard provides a guide for compliance with minimum required specifications when job-made wooden ladders are being constructed for temporary access on construction and demolition operations.

ALI (ASC A14) (American Ladder Institute)

330 N. Wabash Avenue, Suite 2000, Chicago, IL 60611-6610 www.americanladderinstitute.org Contact: Pam O'Brien; info@americanladderinstitute.org

Revision

BSR A14.7-202x, Standard for Mobile Ladder Stands and Mobile Ladder Stand Platforms (revision of ANSI A14.7-2012)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Incorporate updates and necessary changes.

Scope: This standard prescribes rules and requirements governing the proper design, construction, testing, care, use, and maintenance of mobile ladder stands and mobile ladder stand platforms including labeling/marking of these units. The purpose of this standard is to provide reasonable safety for life, limb, and property by establishing requirements for the design, construction, testing, care, maintenance, and use of mobile ladder stands and mobile ladder stand platforms.

ALI (ASC A14) (American Ladder Institute)

330 N. Wabash Avenue, Suite 2000, Chicago, IL 60611-6610 www.americanladderinstitute.org Contact: Pam O'Brien; info@americanladderinstitute.org

Revision

BSR A14.8-202x, Standard Safety Requirements for Ladder Accessories (revision of ANSI A14.8-2020)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Start incorporation of updates and changes for the 5-year revision process

Scope: This standard is for accessories used on individual ladders only and prescribes rules for governing the safe design, construction, and testing of accessories used in conjunction with a portable wood, metal, or reinforced plastic ladder. This standard is limited to those accessories specifically defined. Devices which may or may not be an integral part of the ladder, and without which the portable ladder cannot function in its intended manner such as hinges and hinge brackets, rung or step braces, locks and lock brackets, spreaders and top caps are not included in this standard. Replacement parts of essentially the same design and construction as the component being replaced are not included in this standard unless they are a component of the accessory itself. It is intended that all ladders employing accessories covered by this standard comply with the requirements of the most current applicable standard Safety Requirements for Portable Wood, Metal or Reinforced Plastic, ANSI A14.1, A14.2, and A14.5, respectively. The purpose of this standard is to provide reasonable safety for life, limb, and property. This standard may serve as a basis for purchasing requirements; instruction and training of personnel; and preparation of brochures, manuals, etc., regarding safe ladder and ladder-accessory use, care, and maintenance.

ALI (ASC A14) (American Ladder Institute)

330 N. Wabash Avenue, Suite 2000, Chicago, IL 60611-6610 www.americanladderinstitute.org Contact: Pam O'Brien; info@americanladderinstitute.org

Revision

BSR A14.9-202x, Standard Safety Requirements for Disappearing Attic Stairways (revision of ANSI A14.9-2019)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Incorporate updates and necessary changes - start of the 5-year revision process Scope: This standard prescribes rules concerning the safe design, construction, testing, care, installation, and use of permanently installed metal or wood, disappearing attic stairways of various types designed to be used for access to upper levels such as attics. Household units with duty ratings of 250, 300, and 350 lbs., or commercial units with a rating of 500 lbs., are the only units covered in this standard. This standard is not intended to apply to any attic stairway covered in any other ANSI A14 standards, or disappearing attic stairways intended for use with ceiling heights in excess of 12 feet. This standard also prescribes rules and minimum requirements for installation instructions and labeling of disappearing attic stairways in order to promote safety under normal conditions of usage. The purpose of this document is to help provide safety for life, limb, and property by establishing standards for the design and installation of permanently installed disappearing attic stairways.

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 55.1-202x, Solid Radioactive Waste Processing System for Light-Water-Cooled Reactor Plants (revision of ANSI/ANS 55.1-1992 (R2017))

Stakeholders: Radwaste system design and construction vendors, operators, and U.S. Nuclear Regulatory Commission. Project Need: This standard on in-plant radwaste systems needs to be updated to include B31.3 piping design and guidance on hoses to align with ANSI/ANS 40.37-2009 and allowed by NRC Reg Guide 1.143 Rev 2 (2001) to support new reactor construction (e.g., SMR).

Scope: This standard provides design, fabrication, and performance criteria and guidance for solid radioactive waste processing systems for light-water-cooled reactors. The purpose of this standard is to provide criteria to ensure that the solid-radioactive-waste-processing systems are designed, fabricated, installed, and operated in a manner commensurate with the need to protect plant personnel and the health and safety of the public.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

New Standard

BSR/ATIS 06000xx-202x, Security Requirements for Telecommunications Equipment Structures (new standard)

Stakeholders: Communications industry.

Project Need: There is a need for a well-defined set of minimum standards for physically securing and controlling access to remote sites and structures located in the outside plant, which would be helpful in maintaining security and accurately communicating the level of physical security of any given site.

Scope: This standard covers the minimum criteria for securing and managing access to telecommunications equipment structures installed and utilized by service providers and others in outside plant (OSP) and indoor environments. These equipment structures include cabinet enclosures, huts, poles, pedestals, CEVs, and the like.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

Revision

BSR/ATIS 0600028-202x, DC Power Wire and Cable for Telecommunications Power Systems - for XHHW and DLO/Halogenated RHH-RHW Cable Types (revision of ANSI/ATIS 0600028-2016)

Stakeholders: Communications industry.

Project Need: There is a need to update this standard for modern products and terminology. Scope: This document describes standard dimensions and testing for XHHW- and DLO-type wires to be used for telecommunications power and grounding as an alternative to the RHH-RHW cable described in ATIS 0600017.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

Reaffirmation

BSR/ATIS 0600030-2016 (R202x), Line-Powering of Telecommunications Equipment on Outside Plant (OSP) Copper Twisted Pair Loops (reaffirmation of ANSI/ATIS 0600030-2016)

Stakeholders: Communications industry.

Project Need: There is a need to update testing requirements in accordance with revised reference standards and clarify the Scope.

Scope: There are various standards that define telecommunications line-powering voltage limits, power limits, and safety-related precautions. This standard attempts to bring all those requirements into one document. This standard also addresses performance of line-, express-, and span-powering systems (also known as Remote Feeding Telecommunications Circuits [RFT]) in fault conditions and provides manufacturers, installers, and users of line power systems with a consistent fault condition testing and recording method. The fault current levels determined through this analysis can be compared to standards IEC 60479-1, Effects of Current on Human Beings and Livestock, Part 1 - General Aspects, and IEC 60479-2, Effects of Current on Human Beings and Livestock, Part 2 - Special Aspects.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

New Standard

BSR/ATIS 0600031.02-202x, Distributed Single Phase Cooling - Standardized Infrastructure (new standard)

Stakeholders: Communications industry.

Project Need: There is a need for a new standard to expand the current DRC solution set and the updated cooling media.

Scope: Equipment-cooling infrastructure solutions have expanded and adapted to meet increasing equipment heat loads and improved energy efficiencies. Infrastructure solutions now include energy-efficient Close-coupled cooling (C3) alternatives that bring the cooling (heat transfer) closer to the heat source. One C3 solution utilizes a single phase media, typically water, as a thermal transfer medium. As the industry adopts and integrates Distributed Single-Phase Cooling (DSPC) systems, common infrastructure standards are needed to ensure interoperability and connectivity between manufacturers. This standard outlines design requirements for a standard single-phase media distribution infrastructure.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

Revision

BSR/ATIS 0600315-202x, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI/ATIS 0600315-2018)

Stakeholders: Communications industry.

Project Need: There is a need to update the requirements and test procedures in this standard.

Scope: This standard establishes requirements and test procedures for voltage ranges and characteristics associated with the input voltage of telecommunications equipment powered from dc power systems in the telecommunications environment. It includes +12, + and -24, -48, + and -130, and 140 VDC.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

Revision

BSR/ATIS 0600318-202x, Electrical Protection Applied to Telecommunications Network Plant at Entrances to Customer Structures or Buildings (revision of ANSI/ATIS 0600318-2016)

Stakeholders: Communications industry.

Project Need: There is a need for minor updates and general editorial requirements.

Scope: This standard establishes minimum electrical protection requirements intended to mitigate the disruptive and damaging effects of lightning and ac power faults at telecommunications network entrances to customer structures or buildings. Disturbances from lightning and ac power line faults may be disruptive to telecommunications service and may also result in damage to the telecommunications plant and equipment. Telecommunications network plant is often exposed to such disturbances due to its physical location and frequent joint-use or joint right-of-way installations with power utility facilities and may carry a portion of these disturbances to the network appearance at a customer structure or building. Telecommunications service providers employ electrical protection equipment and bonding and grounding techniques at the network appearance to reduce the effects of such disturbances.

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 www.atis.org Contact: Drew Greco; dgreco@atis.org

Revision

BSR/ATIS 0600338-202x, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)

Stakeholders: Communications industry.

Project Need: There is a need for minor updates and general editorial requirements.

Scope: Many types of communications devices contain secondary surge protection devices or components either integral to their designs or placed near the protected equipment. External primary surge protection devices or components, typically placed where the outside plant enters a structure, are normally used to prevent excessive currents and voltages from entering the structure or equipment, where they could cause injury or damage. This standard addresses the proper electrical coordination of primary devices or components and secondary surge protection devices or components.

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 www.bicsi.org

Contact: Jeff Silveira; jsilveira@bicsi.org

Reaffirmation

BSR/BICSI 001-2017 (R202x), Information and Communication Technology Systems Design and Implementation Best Practices for Educational Institutions and Facilities (reaffirmation of ANSI/BICSI 001-2017)

Stakeholders: Includes, but not limited to: Telecom, telecommunications, IT, and ICT designers, consultants, project managers and implemented telecommunications and ICT technology installers, primary, secondary, post-secondary and other types of educational facility, IT, and operations management and applicable staff.

Project Need: BICSI 001 continues to be a resource for those involved with educational facilities. The material in the current edition is sufficient and accurate for known industry conditions and systems, thus warranting a reaffirmation at this juncture.

Scope: This standard provides requirements, recommendations, and best practices for the design and implementation of ICT systems and their infrastructure for educational institutions and facilities. Educational facilities include, but are not limited to, public and private educational institutions and facilities serving primary, secondary, and post-secondary levels of education, as well as preschool facilities, vocational training institutions, and specialty training facilities (e.g., teaching hospitals, broadcasting schools).

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 www.bicsi.org

Contact: Jeff Silveira; jsilveira@bicsi.org

New Standard

BSR/BICSI 11-202x, Information Communication Technology Design and Implementation Practices for Airports and Transit Facilities (new standard)

Stakeholders: Aviation design and construction firms and supporting business infrastructure. Power and utilities supporting airports and mass transit. Suppliers and manufacturers of ICT products and systems used within airports and transit facilities. Aviation and transit planners; regulators; and developers

Project Need: Airports and other transit facilities are large, multiyear construction projects with specific needs, requirements and conditions that included construction materials and methods, longevity planning, varying power and environmental factors based on location and function, and reliability requirements. As reliance on traditional communication, data, and connectivity has increased with new applications, methods, technologies, and needs, specific guidance to support current needs as well as providing the flexibility for future developments is required, given the projected longevity of these facilities.

Scope: This standard, within airports and other transit premises such as stations, terminals, and other locations where passengers embark/debark from a common carrier, will focus on the design, implementation, and other aspects of the ICT infrastructure, including security, reliability, applicable building construction, power, mechanical, and other systems that require or affect ICT systems and connectivity.

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 www.bicsi.org

Contact: Jeff Silveira; jsilveira@bicsi.org

New Standard

BSR/BICSI 12-202x, Information Communication Technology Design and Implementation Practices for Power and Utility Infrastructure (new standard)

Stakeholders: Electrical power generators and utilities; other utilities such as telecom carriers, oil, gas, water which may utilize an utility infrastructure on their premises; Large-premise end-users and customers such as airports, "heavy" manufacturing or processing sites; data centers; semiconductor processing that utilize significant power. Designers of control and communications systems for heavy industry and utility applications.

Project Need: Power utilities are in the process of implementing new technologies and schemes including smart (grid, city, etc.) technologies. This includes the digital substation, protection communications, control systems, automation, real-time measurements, and monitoring. This is also related to the implementation of 5G technologies in power utility infrastructure. There is an existing gap between the needs of utilities and the telecommunications. Utilities personnel does not know the telecommunications world and vice-versa. These new technologies require the implementation of broadband technologies, Ethernet networks, fiber optics infrastructure, etc. However, standards currently available (e.g., IEC 61850, et al.) do not cover the specifics for ICT.

Scope: This standard will focus on the ICT infrastructure necessary for facilities and premises of the power utility and to support concepts, such as digital substations, optical power ground wire (OPGW), pole attachments for control networks and 5G, Smart Cities, Field Area Networks (FAN), and automation. While wireless (e.g., 5G) and pole attachments is covered, this standard is not expected to address joint-use design or implementation issues within transmission and distribution lines that occur outside the facility or premise boundary.

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org Contact: Marianne Waickman; marianne.waickman@asse-plumbing.org

Revision

BSR/ASSE SERIES 12000-202x, Professional Qualifications Standard for Water Management and Infection Control Risk Assessment for Building Systems (revision of ANSI/ASSE SERIES 12000-2021)

Stakeholders: Building owners, managers, operators, water management teams, staff and occupants of buildings, maintenance workers, plumbers, HVAC technicians, sprinkler fitters, construction workers, engineers, designers, inspectors and the general public.

Project Need: Stakeholders have identified the need for updates and revisions to address air quality concerns and the need for minimum qualifications for designers, engineers, and commissioning agents in conducting construction risk assessments.

Scope: This standard addresses the need for general knowledge of risk assessments, infection control, and water management protection from Legionella and other potentially infectious organisms. The series revision will include additional standards for (1) construction risk assessment for engineers, designers, and commissioning agents; (2) air quality for construction employers and their designated representatives; and (3) air quality for HVAC technicians. The purpose is to provide minimum qualifications for training, continuing education, and certification for construction and maintenance workers, members of building water management teams and engineers, designers, and commissioning agents to control the spread of infection and improve water and air quality.

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 www.iccsafe.org Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

Revision

BSR/ICC 300-202x, ICC Standard on Bleachers, Folding and Telescopic Seating, and Grandstands (revision of ANSI/ICC 300-2017)

Stakeholders: Design professionals; manufacturers; constructors; building, fire, and other government officials. Project Need: Revision is required to keep the standard current with industry practice and to satisfy ANSI requirements as an American National Standard.

Scope: The purpose of the effort is the development of appropriate, reasonable, and enforceable model health and safety provisions for new and existing installations of all types of bleachers and bleacher-type seating, including fixed and folding bleachers for indoor, outdoor, temporary, and permanent installations. Such provisions would serve as a model for adoption and use by enforcement agencies at all levels of government in the interest of national uniformity.

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Alexandria, VA 22314 www.PHTA.org Contact: Genevieve Lynn; standards@phta.org

New Standard

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

Stakeholders: Designers, builders, fabricators, manufacturers, installers, service companies, general contractors, plumbers, electricians, engineers, architects, crane and rigging companies, aquatic venue operators, retail businesses providing goods and services for swimming pools, spas and aquatic venues; regulatory bodies; building code officials; health code officials; and consumers.

Project Need: This project is intended to provide recommended minimum guidelines for the design, construction, installation, operations, and maintenance of elevated pools, spas, and other aquatic venues constructed from various materials; and to meet the need for incorporation into national or regional health codes, and for the adoption by state and/or local municipalities as a local code or ordinance.

Scope: This standard covers the construction, alteration, movement, renovation, replacement, repair, and maintenance of elevated swimming pools, spas, and other aquatic venues that are permanently installed and intended for swimming, bathing, or wading, including those over occupied/conditioned space; or installed over occupiable space; or installed over unoccupied/nonconditioned spaces; or installed in an above-grade with no occupied, occupiable, or unoccupied space below.

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

100 Clemson Research Blvd., Anderson, SC 29625 www.tcnatile.com Contact: Katelyn Simpson; KSimpson@tileusa.com

Revision

BSR A108.5-202x, Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar (revision of ANSI A108.5-2020)

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers, and consumers (user interest category), and affiliated industries (e.g., stone) and other general-interest users of this standard (general interest category). Project Need: Various stakeholders have suggested revisions be made to various sections of this standard. Scope: This standard outlines the guidelines for installation of ceramic tile with dry-set portland cement mortar or latex-portland cement mortar.

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: May 2, 2021

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

1791 Tullie Circle, NE, Atlanta, GA 30329-2305 p: (404) 636-8400 w: www.ashrae.org

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum e to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This addendum clarifies the permitted methods of supply-air reheat in Section 8.3.1.6.1, specifically that all types of on-site sources (renewable energy systems and recovered waste energy) can be used.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

1791 Tullie Circle, NE, Atlanta, GA 30329-2305 p: (404) 636-8400 w: www.ashrae.org

Addenda

BSR/ASRHAE/ICC/USGBC/IES Addendum w to BSR/ASRHAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

This addendum proposes modifications to Sections 7 and 10 that would expand airtightness testing requirements compared to similar requirements already present in Standard 90.1 and energy codes. The changes are intended to reduce energy consumption and improve indoor air quality by limiting uncontrolled airflow through the building envelope.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 p: (727) 312-3230 w: www.nena.org

New Standard

BSR/NENA STA-010.3-202X, NENA i3 Standard for Next Generation 9-1-1 (new standard)

This work will review and add to the current NENA standards for the Next Generation 9-1-1 core service architecture that provides call and data handling functionality between 9-1-1 call originators and 9-1-1 call centers (PSAPs). The existing NENA standard has been developed over the 2003 – 2014 timeframe to replace E9-1-1 functionality throughout at least the USA, and has been the model for European and Canadian work for similar purposes. This is known in short form as "i3". The work under this PINS is for version 3 of the NG9-1-1 core services architectural standard and NENA's intent is to submit the entirety of NENA i3v3 standard to ANSI development process accreditation. This work is expected to be accomplished in three related NENA Working Groups. Major topics being added to the standard include: This work will update current NENA standards in the areas of: (1) Network Routing, Performance and Security; (2) Core, Ancillary and Transitional Functions; (3) Data Definition, including Location, GIS, and Additional Data, including XML; (4) Next Generation 9-1-1 PSAP Multimedia and Other Data Interfaces; (5) PSAP Management-Testing interface; (6) Potential of convergence of i3 standard for use with an IMS-based Emergency Services IP Network. To contribute to this work, contact standardscoord@nena.org.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Download & comment at https://dev.nena. org/higherlogic/ws/public/document?document_id=22277&wg_id=eca27a3d-a4c7-4d67-bb06-b3bb241df44e or email standardscoord@nena.org

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i165r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

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

Click here to view these changes in full Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i19r7), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

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

Click here to view these changes in full

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1392 w: https://ul.org/

Revision

BSR/UL 6420-202x, Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit (revision of ANSI/UL 6420-2012 (R2018))

Withdrawal of Proposal: UL 6420 Addition of Pneumatic Isolation. The proposal submitter has chosen to withdraw the proposal. Additional research and further clarification is needed in the development of the proposal. If the Proposal Review Work Area dated August 10, 2018, and the Recirculation Work Area dated July 12, 2019, proposals are withdrawn, the standard's current requirements would remain unchanged, and the proposed new supplement covering pneumatic isolation would not be added to UL 6420.

Click here to view these changes in full

Send comments (with optional copy to 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: May 17, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 135-202x, Scene Detection and Processing in Forensic Anthropology (new standard)

This document provides requirements and best practices for forensic anthropology and forensic archaeology practitioners in proper scene detection, processing, handling of evidence, and maintenance of a chain of custody, commensurate with jurisdictional requirements. These requirements and best practices use archaeological techniques and principles as a foundation for scientifically appropriate detection, processing, documentation, and collection of human remains and associated evidence at a scene. Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

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

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 147-202x, Standard for Analyzing Skeletal Trauma in Forensic Anthropology (new standard)

This standard provides requirements for documenting, describing, interpreting, and reporting skeletal trauma in forensic anthropology. It also provides requirements for the determination of trauma timing (i.e., antemortem, perimortem, or postmortem) and the identification of the mechanism that produced the trauma (i.e., projectile, sharp, blunt, or thermal trauma). This document does not address cause and manner of death.

Single copy price: Free

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AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 149-202x, Standard for Taphonomic Observations in Support of the Postmortem Interval (new standard)

This standard provides requirements for describing and analyzing the taphonomic effects on human remains and associated evidence that can be observed in the laboratory as well as in the field. Also, it provides requirements for recording and reporting the taphonomic and contextual indicators that contribute to estimating the postmortem interval in sufficient detail to allow for independent interpretation, replication, and verification of conclusions drawn. Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

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

ABYC (American Boat and Yacht Council)

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

New Standard

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

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

Single copy price: \$50.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

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

This standard applies to the installation of electric navigation lights on boats.

Single copy price: \$50.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-10-202x, Storage Batteries (revision of ANSI/ABYC E-10-2016)

This standard addresses the selection, location, installation, and wiring of storage batteries. This standard applies to storage batteries used in direct current (DC) electrical systems on boats that operate at potentials of nominal 60 V or less.

Single copy price: \$50.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-11-202x, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2018)

This standard addresses the design, construction, and installation of alternating current (AC) electrical systems and direct current (DC) electrical systems on boats.

Single copy price: \$75.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-30-202x, Electric Propulsion Systems (revision of ANSI/ABYC E-30-2018)

This standard addresses the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.

Single copy price: \$50.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC P-6-202x, Propeller Shafting Systems (revision of ANSI/ABYC P-6-2016)

This standard applies to all boats driven by propeller shafting systems that penetrate the hull and addresses the design, construction, and materials for propeller shafts and struts, and the installation of shaft bearings, stern bearings, struts, shaft seals, shaft logs, shaft couplings, and propellers.

Single copy price: \$50.00 Obtain an electronic copy from: www.abycinc.org Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

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

1791 Tullie Circle, NE, Atlanta, GA 30329-2305 p: (404) 636-8400 w: www.ashrae.org

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum d to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This addendum revises the definition of 'building project' for clarity and removes the definition for 'site.' Removing the definition of site eliminates an unnecessary level of specificity that could otherwise limit the use of the standard in certain projects and jurisdictions.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

1791 Tullie Circle, NE, Atlanta, GA 30329-2305 p: (404) 636-8400 w: www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum t to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

This addendum proposes a variety of updates to the Section 5 requirements for air leakage through the building envelope. Updates include both minor adjustments for clarity and more extensive changes that better align this portion of Standard 90.1 with the newly published ASTM E3158. For example, air leakage would become a defined term that includes both infiltration and exfiltration. Section 5 - and ancillary text throughout the standard - has been expanded and restructured to provide a clear breakdown of requirements for whole building pressurization vs. continuous air barrier verification vs. exceptions for smaller, single-zone buildings.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org Send comments (with optional copy to psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-andguidelines/public-review-drafts

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

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

New Standard

BSR/ASHRAE Standard 228-202x, Standard Method for Evaluating Zero Net Energy and Zero Net Carbon Building Performance (new standard)

ASHRAE Standard 228-202x sets requirements for evaluating whether a building or group of buildings meets a definition of "zero net energy" or whether those buildings meet a definition of "zero net carbon." It provides a consistent method of expressing qualifications for zero net energy and zero net carbon buildings associated with the design of new buildings and the operation of existing buildings.

Single copy price: \$35.00

Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts Order from: standards.section@ashrae.org

Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASTM (ASTM International)

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New Standard

BSR/ASTM WK52244-202x, Specification for Face and Ear Protective Devices for Air Soft Sports (new standard)

https://www.astm.org/ANSI_SA

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New Standard

BSR/ASTM WK65021-202x, Guide for Reliability Demonstration Testing (new standard)

https://www.astm.org/ANSI SA

ASTM (ASTM International)

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Reaffirmation

BSR/ASTM D5006-2011 (R202x), Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels (reaffirmation of ANSI/ASTM D5006-2011 (R2016))

https://www.astm.org/ANSI_SA

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Reaffirmation

BSR/ASTM E2587-2016 (R202x), Practice for Use of Control Charts in Statistical Process Control (reaffirmation of ANSI/ASTM E2587-2016)

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Reaffirmation

BSR/ASTM F1979-2010 (R202x), Specification for Projectiles Used in the Sport of Paintball (reaffirmation of ANSI/ASTM F1979 -2010 (R2014))

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Reaffirmation

BSR/ASTM F2272-2013 (R202x), Specification for Paintball Markers (reaffirmation of ANSI/ASTM F2272-2013 (R2017))

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Reaffirmation

BSR/ASTM F2773-2013 (R202x), Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders (reaffirmation of ANSI/ASTM F2773-2013 (R2017))

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Revision

BSR/ASTM D910-202x, Specification for Leaded Aviation Gasolines (revision of ANSI/ASTM D910-2020A)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2020c)

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Revision

BSR/ASTM D2239-202x, Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter (revision of ANSI/ASTM D2239-2017)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D2737-202x, Specification for Polyethylene (PE) Plastic Tubing (revision of ANSI/ASTM D2737-2012A (R2020))

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Revision

BSR/ASTM D3035-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter (revision of ANSI/ASTM D3035-2017)

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Revision

BSR/ASTM D3841-202x, Specification for Glass-Fiber-Reinforced Polyester Plastic Panels (revision of ANSI/ASTM D3841-2016)

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Revision

BSR/ASTM D6299-202x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2020A)

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Revision

BSR/ASTM D6300-202x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2021)

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Revision

BSR/ASTM D6617-202x, Practice for Laboratory Bias Detection Using Single Test Result from Standard Material (revision of ANSI/ASTM D6617-2017)

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Revision

BSR/ASTM D6708-202x, Practice for Statistical Assessment and Improvement of Expected Agreement between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2019a)

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Revision

BSR/ASTM D6792-202x, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2020)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D7082-202x, Specification for Polyethylene Stay In Place Form System for End Walls for Drainage Pipe (revision of ANSI/ASTM D7082-2015)

https://www.astm.org/ANSI_SA

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BSR/ASTM D7372-202x, Guide for Analysis and Interpretation of Proficiency Test Program Results (revision of ANSI/ASTM D7372-2017)

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Revision

BSR/ASTM D7547-202x, Specification for Hydrocarbon Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2018A)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D7719-202x, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2018)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D7960-202x, Specification for Unleaded Aviation Gasoline Test Fuel Containing Non-hydrocarbon Components (revision of ANSI/ASTM D7960-2018)

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Revision

BSR/ASTM E207-202x, Test Method for Thermal EMF Test of Single Thermoelement Materials by Comparison with a Reference Thermoelement of Similar EMF-Temperature Properties (revision of ANSI/ASTM E207-2017)

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Revision

BSR/ASTM E2555-202x, Practice for Factors and Procedures for Applying the MIL-STD-105 Plans in Life and Reliability Inspection (revision of ANSI/ASTM E2555-2012 (R2018))

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Revision

BSR/ASTM E2696-202x, Practice for Life and Reliability Testing Based on the Exponential Distribution (revision of ANSI/ASTM E2696-2009 (R2018))

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM E2708-202x, Terminology for Accreditation and Certification (revision of ANSI/ASTM E2708-2018A)

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Revision

BSR/ASTM E2730-202x, Practice for Calibration and Use of Thermocouple Reference Junction Probes in Evaluation of Electronic Reference Junction Compensation Circuits (revision of ANSI/ASTM E2730-2017)

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Revision

BSR/ASTM E3159-202x, Guide for General Reliability (revision of ANSI/ASTM E3159-2018)

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Revision

BSR/ASTM F493-202x, Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings (revision of ANSI/ASTM F493-2017)

https://www.astm.org/ANSI_SA

ASTM (ASTM International)

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Revision

BSR/ASTM F714-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2021)

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BSR/ASTM F1273-202x, Specification for Tank Vent Flame Arresters (revision of ANSI/ASTM F1273-1997 (R2013))

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Revision

BSR/ASTM F1321-202x, Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel (revision of ANSI/ASTM F1321-2014 (R2021))

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Revision

BSR/ASTM F1960-202x, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2020)

https://www.astm.org/ANSI_SA

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2123-202x, Practice for Treestand Instructions (revision of ANSI/ASTM F2123-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2159-202x, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Crosslinked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2275-202x, Practice for Treestand Manufacturer Quality Assurance Program (revision of ANSI/ASTM F2275-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2735-202x, Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2735-2020)

https://www.astm.org/ANSI_SA

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2788/F2788M-202x, Specification for Metric and Inch-sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788/F2788M-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2829-202x, Specification for Metric- and Inch-Sized Fittings for Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2829-2020a)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2854-202x, Specification for Push-Fit Crosslinked Polyethylene (PEX) Mechanical Fittings for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F2854-2021)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2968/F2968M-202x, Specification for Crosslinked Polyethylene (PEX) Pipe for Gas Distribution Applications (revision of ANSI/ASTM F2968/F2968M-2020)

https://www.astm.org/ANSI_SA

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F3190-202x, Practice for Heat Fusion Equipment (HFE) Operator Qualification on Polyethylene (PE) and Polyamide (PA) Pipe and Fittings (revision of ANSI/ASTM F3190-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F3348-202x, Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F3348-2020B)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F3373-202x, Specification for Polyethylene (PE) Electrofusion Fittings for Outside Diameter Controlled Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F3373-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F3386-202x, Specification for Detonation Flame Arresters (revision of ANSI/ASTM F3386-2020)

https://www.astm.org/ANSI_SA

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Withdrawal

ANSI/ASTM F2991-2013, Guide for Doubler Plate Repairs for Non-Classed Ship Structures (withdrawal of ANSI/ASTM F2991 -2013)

https://www.astm.org/ANSI_SA

Single copy price: Free Obtain an electronic copy from: cleonard@astm.org Order from: Laura Klineburger; accreditation@astm.org Send comments (with optional copy to psa@ansi.org) to: Same

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 301 w: www.aws.org

Revision

BSR/AWS A5.23/A5.23M-202x, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding (revision of ANSI/AWS A5.23/A5.23M-2011)

This specification provides requirements for the classification of solid and composite carbon steel, low-alloy steel, and highmanganese steel electrodes and fluxes for submerged arc welding. Electrode classification is based on chemical composition of the electrode for solid electrodes, and chemical composition of the weld metal for composite electrodes. Fluxes may be classified using a multiple pass classification system or a two-run classification system, or both, under this specification. Multiple pass classification is based on the mechanical properties and the deposit composition of weld metal produced with the flux and an electrode classified in this standard. Two-run classification is based upon mechanical properties only. Additional requirements are included for sizes, marking, manufacturing, and packaging. The form and usability of the flux are also included. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of submerged arc fluxes and electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$36.00 Obtain an electronic copy from: gupta@aws.org Send comments (with optional copy to psa@ansi.org) to: gupta@aws.org

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 p: (303) 347-6178 w: www.awwa.org

Revision

BSR/AWWA C800-202x, Underground Service Line Valves and Fittings (revision of ANSI/AWWA C800-2014)

This standard covers valves, fittings, service saddles, and meter setters for use in a service line from the main through the meter valve or meter-setting appurtenance.

Single copy price: Free Obtain an electronic copy from: ETSsupport@awwa.org Order from: AWWA, Attn: Vicki David, vdavid@awwa.org Send comments (with optional copy to psa@ansi.org) to: AWWA, Attn: Paul J. Olson, polson@awwa.org

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 p: (813) 903-4712 w: www.bicsi.org

Revision

BSR/BICSI 003-202x, Building Information Modeling (BIM) Practices for Information Communication Technology Systems (revision of ANSI/BICSI 003-2014)

This is a periodic updates to keep the standard current with industry and system requirements and trends, where this document defines the usage of BIM elements provided by product manufacturers, as well as the Level of Detail (LOD) that each model is requires. This document also guides the ICT designer during the development and coordination of the 3D model and related modeling tasks.

Single copy price: Free Obtain an electronic copy from: jsilveira@bicsi.org Send comments (with optional copy to psa@ansi.org) to: jsilveira@bicsi.org

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

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

Revision

BSR N42.34-202x, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides (revision and redesignation of ANSI N42.34-202x)

This standard specifies general, radiological, environmental, electromagnetic, and mechanical requirements for radionuclide identification devices used in homeland security applications. These are handheld instruments used to detect and identify gamma-ray-emitting radionuclides.

Single copy price: \$58.00 Obtain an electronic copy from: j.santulli@ieee.org Send comments (with optional copy to psa@ansi.org) to: j.santulli@ieee.org

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3264 w: www.nema.org

Revision

BSR/NEMA MG 1-202x, Motors and Generators (revision of ANSI/NEMA MG 1-2016)

Assists users in the proper selection and application of motors and generators. Contains practical information concerning performance, safety, testing, and construction and manufacture of ac and dc motors and generators.

Single copy price: \$523.00 Order from: mike.leibowitz@nema.org Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org

Reaffirmation

BSR/ICEA T-28-562-2003 (R202x), Test Method for Measurement of Hot Creep of Polymeric Insulations (reaffirmation of ANSI/ICEA T-28-562-2003 (R2014))

This test method provides a procedure, which is suited for determining the relative degree of crosslinking of polymeric, electric cable insulations.

Single copy price: \$100.00 Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG Order from: Communications@nema.org Send comments (with optional copy to psa@ansi.org) to: khaled.masri@nema.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org

Revision

BSR/ICEA S-119-741-202x, Standard for Fiber To The Antenna (FTTA) Optical Fiber Cable (revision of ANSI/ICEA S-119-741 -2016)

Fiber to the Antenna (FTTA) cables covered by this standard include cable used for distribution and delivery of optical fiber from the baseband unit (BBU) of a cell site to the remote radio unit (RRU)/active antenna unit (AAU) on the associated structure. These cables may be a hybrid design, incorporating electrical conductors for power delivery and control, or standalone optical cables.

Single copy price: \$120.00 Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG Order from: Khaled Masri; Khaled.Masri@nema.org Send comments (with optional copy to psa@ansi.org) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Revision

BSR C82.77-10-202X, Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements (revision of ANSI C82.77-10-2020)

This standard specifies harmonic limits, their methods of measurement, and power factor (PF) for lighting equipment. This standard covers all types of lighting equipment that is used for general illumination (typically found in residential, commercial, and industrial applications) and which is connected to commonly distributed 60-Hz alternating current (AC) power line systems.

Single copy price: \$77.00 Obtain an electronic copy from: michael.erbesfeld@nema.org Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org Send comments (with optional copy to psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

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

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of the NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. These Second Draft Reports contain the disposition of public comment(s) that were received for standards in the ERRS Grp 1 Revision Cycle (available for review on the next edition tab for each standard). All Notices of Intent to Make A Motion on the ERRS Grp 1 Revision Cycle Second Draft Report must be received by the following date: April 26, 2021.

For more information on the rules and deadlines for NFPA standards in cycle, please check the NFPA website (www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA's online submission system on the ERRS Grp 1 Revision Cycle Standards are invited to copy ANSI's Board of Standards Review.

New Standard

BSR/NFPA 1140-202x, Standards for Wildland Firefighting (new standard)

This standard provides minimum requirements for wildland fire safety and the associated professional qualifications for wildland fire safety positions.

Obtain an electronic copy from: www.nfpa.org/1140Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1140Next

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 1225-202x, Standards for Emergency Services Communications (new standard)

This standard identifies the minimum job performance requirements (JPRs) for Public Safety Telecommunications Personnel, and provides minimum requirements for the installation, maintenance, and use of emergency services communications systems.

Obtain an electronic copy from: www.nfpa.org/1225Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1225Next

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 1891-202x, Standard on Selection, Care, and Maintenance of Hazardous Materials Clothing and Equipment (new standard)

This standard shall specify the minimum requirements for the selection, care, and maintenance of hazardous materials, CBRN, and emergency medical operations protective ensembles, ensemble elements, and hazmat/EMO PPE that are used for protection during hazardous materials emergencies, CBRN incidents, and emergency medical operations.

Obtain an electronic copy from: www.nfpa.org/1891Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1891Next

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 1990-202x, Standards for Protective Ensembles for Hazardous Material and Emergency Medical Operations (new standard)

This standard shall specify the minimum design, performance, testing, documentation, and certification requirements for the following: (1) Vapor-protective ensembles for hazardous materials emergencies and CBRN terrorism incidents; (2) Liquid splash-protective ensembles and clothing for hazardous materials emergencies; (3) Protective ensembles for first responders to hazardous materials emergencies; and (4) Protective clothing and ensembles for emergency medical operations.

Obtain an electronic copy from: www.nfpa.org/1990Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1990Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1000-202x, Standard for Fire Service Professional Qualifications Accreditation and Certification Systems (revision of ANSI/NFPA 1000-2017)

This standard establishes the minimum criteria for the following: (1) Accrediting bodies; (2) Assessment and validation of the process used to certify fire- and related emergency response personnel to professional qualifications standards; and (3) Nonengineering, fire-related, academic, degree-granting programs offered by institutions of higher education.

Obtain an electronic copy from: www.nfpa.org/1000Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1000Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1142-202x, Standard on Water Supplies for Suburban and Rural Fire Fighting (revision of ANSI/NFPA 1142-2017)

This standard identifies a method of determining the minimum requirements for alternative water supplies for structural firefighting purposes in areas where the authority having jurisdiction (AHJ) determines that adequate and reliable water supply systems for fire-fighting purposes do not otherwise exist. An adequate and reliable municipal-type water supply is one that is sufficient every day of the year to control and extinguish anticipated fires in the jurisdiction, particular building, or building group served by the water supply.

Obtain an electronic copy from: www.nfpa.org/1142Next Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1142Next

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 123-202x, Specification for F Connector, Male, Feed-Through (revision of ANSI/SCTE 123-2011)

The purpose of this document is to specify the mechanical, environmental, and baseline electrical performance for male "F" feed-through connectors that are used in the 75-ohm RF broadband communications industry.

Single copy price: \$50.00 Obtain an electronic copy from: admin@standards.scte.org Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 124-202x, Specification for F Connector, Male, Pin Type (revision of ANSI/SCTE 124-2011)

The purpose of this document is to specify the mechanical, environmental, and baseline electrical performance for male "F" pin-type connectors that are used in the 75-ohm RF broadband communications industry.

Single copy price: \$50.00 Obtain an electronic copy from: admin@standards.scte.org Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

New Standard

BSR A108.21-202x, Interior Installation of Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)

This standard covers Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment when used as a substrate for the installation of ceramic tile, manufactured stone, and natural stone in interior applications.

Single copy price: \$15.00

Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

New Standard

BSR A118.16-202x, Standard Specifications for Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)

This specification describes the test methods and minimum requirements for flowable underlayment.

Single copy price: \$15.00 Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Revision

BSR A108.01-202x, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2021)

This specification is intended to describe the general requirements for substrates and subsurfaces and general guidelines for preparation by other trades as it relates to the installation of ceramic tile.

Single copy price: \$15.00 Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Revision

BSR A108.02-202x, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2019)

This specification is intended to describe the general requirements of materials and workmanship for installation of ceramic tile.

Single copy price: \$15.00 Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Revision

BSR A118.3-202x, Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive (revision of ANSI A118.3-2013)

This specification describes the test methods and minimum requirements for chemical resistant, water cleanable tile-setting and -grouting epoxy and water cleanable tile-setting epoxy adhesive.

Single copy price: \$15.00

Obtain an electronic copy from: ksimpson@tileusa.com

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

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Revision

BSR A137.2-202x, Standard Specification for Glass Tile (revision of ANSI A137.2-2019)

These specifications describe manufacturing styles, body types, sizes and physical properties for standard grade glass tile; the basis for acceptance and methods of testing before installation; the marking of packaging and certification of tile; and definition of terms employed in these specifications.

Single copy price: \$15.00 Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Revision

BSR A137.3-202x, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2017)

These specifications describe the minimum physical properties of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs and back-layered Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs manufactured to a specific nominal thickness.

Single copy price: \$15.00 Obtain an electronic copy from: ksimpson@tileusa.com Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

UL (Underwriters Laboratories)

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

New National Adoption

BSR/UL 62841-4-4-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws (identical national adoption of IEC 62841-4-4:2020)

Proposed adoption of the first edition of IEC 62841-4-4, Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws, as the first edition of UL 62841-4-4.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 498C-2017 (R202x), Standard for Safety for Flatiron and Appliance Plugs (reaffirmation of ANSI/UL 498C-2017)

This revision of ANSI/UL 498C is being issued to reaffirm approval as an standard. No changes in requirements are involved.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 3730-2017 (R202x), Standard for Safety for Photovoltaic Junction Boxes (reaffirmation of ANSI/UL 3730-2017)

(1) Reaffirmation and continuance of the first edition of the Standard for Photovoltaic Junction Boxes, UL 3730, 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 (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 62093-2017 (R202x), Standard for Safety for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments (reaffirmation of ANSI/UL 62093-2017)

(1) Reaffirmation and continuance of the first edition of the Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments, UL 62093, 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 (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2881 w: https://ul.org/

Revision

BSR/UL 810B-202x, Standard for Safety for DC Power Capacitors (revision of ANSI/UL 810B-2016)

(1) Clarification of the scope in 1.3 and deletion of the Internal Fuse Operation Test, Section 19; (2) Addition of references for wiring standards in 7.1; (3) Addition of means to evaluate polymeric material property in 4.3.4; (4) Clarification of the thermal rating of insulating materials in the capacitor in 6.2; and (5) Miscellaneous revisions throughout the Standard.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) 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: June 1, 2021

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New Standard

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

INCITS 558-201x, Information technology- ATA Command Set - 5 (ACS-5) (new standard)

ACS-5 is the next generation of the ATA Command Set standards. It follows ATA8-ACS, ACS-2, ACS-3, and ACS-4. ACS-5 would document the command set implemented by devices that support the ATA architecture; address new features that were not sufficiently developed for ACS-4; address any other proposals or modifications to the command set suggested or proposed by a T13 committee member; and other capabilities that may fit within the scope of this project.

Single copy price: Free Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php? document_id=128286&wg_abbrev=eb Order from: https://standards.incits.org/apps/group_public/document.php?document_id=128286&wg_abbrev=eb Send comments (with optional copy to psa@ansi.org) to: comments@standards.incits.org

Project Withdrawn

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

BSR/ASTM D6792-202x, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2017)

Inquiries may be directed to Laura Klineburger; accreditation@astm.org

Final Actions on American National Standards

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

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8130 w: www.api.org

New National Adoption

ANSI/API MPMS Chapter 17.10.1/ISO 10976, 2nd Edition-2021, Refrigerated Light Hydrocarbon Fluids -Measurement of Cargoes On Board Marine LNG Carriers (national adoption of ISO 10976:2015 with modifications and revision of ANSI/API MPMS Ch. 17.10.1/ISO 10976, 1st Edition-2014 (R2020)) Final Action Date: 3/24/2021

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7009 w: https://www.asabe.org/

Reaffirmation

ANSI/ASABE AD3600:2016 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format (reaffirm a national adoption ANSI/ASABE AD3600:2016) Final Action Date: 3/24/2021

Reaffirmation

ANSI/ASABE AD11684-1995 APR2011 (R2021), Tractors, machinery of agriculture and forestry, powered lawr and garden equipment - Safety signs and hazard pictorials - General principles (reaffirmation of ANSI/ASABE AD11684-1995 APR2011 (R2016)) Final Action Date: 3/29/2021

Reaffirmation

ANSI/ASABE S593.1-JAN2011 (R2021), Terminology and Definitions for Biomass Production, Harvesting and Collection, Storage, Processing, Conversion and Utilization (reaffirmation of ANSI/ASABE S593.1-JAN2011 (R2015)) Final Action Date: 3/25/2021

Reaffirmation

ANSI/ASABE S629-2016 (R2021), Framework to Evaluate the Sustainability of Agricultural Production Systems (reaffirmation of ANSI/ASABE S629-2016) Final Action Date: 3/25/2021

Reaffirmation

ANSI/ASABE S612 JUL2009 (R2021), Performing On-Farm Energy Audits (reaffirmation of ANSI/ASABE S612 JUL2009 (R2015)) Final Action Date: 3/25/2021

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

New Standard

ANSI X9.143-2021, Interoperable Secure Key Exchange Key Block Specification for Symmetric Algorithms (new standard) Final Action Date: 3/26/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

ANSI/ASTM D7826-2020, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2019A) Final Action Date: 9/22/2020
ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

ANSI/ASTM F1361-2021, Test Method for Performance of Open Vat Fryers (revision of ANSI/ASTM F1361 -2020) Final Action Date: 3/23/2021

Revision

ANSI/ASTM F1964-2021, Test Method for Performance of Pressure Fryers (revision of ANSI/ASTM F1964 -2011 (R2019)) Final Action Date: 3/23/2021

Revision

ANSI/ASTM F2144-2021, Test Method for Performance of Large Open Vat Fryers (revision of ANSI/ASTM F2144-2017) Final Action Date: 3/23/2021

Withdrawal

ANSI/ASTM F1237-2015, Specification for Commercial Dishwashing Machines, Multiple-Tank, Continuous Oval-Conveyor Type, Heat Sanitizing (withdrawal of ANSI/ASTM F1237-2015) Final Action Date: 3/23/2021

AVIXA (Audiovisual and Integrated Experience Association)

11242 Waples Mill Road, Suite 200, Fairfax, VA 22030 p: (703) 273-7200 w: www.avixa.org

Revision

ANSI/AVIXA S601.01-2021, Audiovisual Systems Energy Management (revision and redesignation of ANSI/INFOCOMM 4M-2012) Final Action Date: 3/24/2021

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 p: (303) 347-6178 w: www.awwa.org

Revision

ANSI/AWWA C516-2021, Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 (2000 mm) and Larger (revision of ANSI/AWWA C516-2015) Final Action Date: 3/24/2021

CRRC (Cool Roof Rating Council)

2435 N. Lombard Street, Portland, OR 97217 p: (503) 606-8448 502 w: www.coolroofs.org

Revision

ANSI/CRRC S100-2021, Standard Test Methods for Determining Radiative Properties of Materials (revision of ANSI/CRRC S100-2016) Final Action Date: 3/29/2021

Home Innovation (Home Innovation Research Labs)

400 Prince George's Boulevard, Upper Marlboro, MD 20774-8731 p: (267) 408-6030 w: www.HomeInnovation.com

Revision

ANSI Z765-2021, Square Footage - Method for Calculating (revision of ANSI Z765-2003 (R2013)) Final Action Date: 3/29/2021

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005 p: (917) 913-0027 w: www.ies.org

Addenda

ANSI/IES RP-7-2021, Recommended Practice: Lighting Industrial Facilities (addenda to ANSI/IES RP-7-2020) Final Action Date: 3/25/2021

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 p: (704) 714-8755 w: www.mhi.org

New Standard

ANSI MH31.2-2021, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (new standard) Final Action Date: 3/24/2021

NSF (NSF International)

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

Revision

ANSI/NSF 385-2021 (i2r1), Disinfection Mechanics (revision of ANSI/NSF 385-2019) Final Action Date: 3/25/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1313 w: https://ul.org/

Reaffirmation

ANSI/UL 464A-2016 (R2021), Standard for Safety for Audible Signal Appliances for General Signaling Use (reaffirmation of ANSI/UL 464A-2016) Final Action Date: 3/24/2021

Reaffirmation

ANSI/UL 1480A-2016 (R2021), Standard for Safety for Speakers for Commercial and Professional Use (reaffirmation of ANSI/UL 1480A-2016) Final Action Date: 3/24/2021

Revision

ANSI/UL 94-2021, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2020) Final Action Date: 3/22/2021

Revision

ANSI/UL 299-2021, Standard for Dry Chemical Fire Extinguishers (revision of ANSI/UL 299-2012 (R2018)) Final Action Date: 3/24/2021

Revision

ANSI/UL 521-2021, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2020) Final Action Date: 3/24/2021

Revision

ANSI/UL 746D-2021, Standard for Safety for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D -2018) Final Action Date: 3/22/2021

Revision

ANSI/UL 1598-2021, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2018) Final Action Date: 3/26/2021

Revision

ANSI/UL 1738-2021, Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (revision of ANSI/UL 1738-2014 (R2020)) Final Action Date: 3/25/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0954 w: https://ul.org/

Revision

ANSI/UL 1993-2021, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993-2018) Final Action Date: 3/26/2021

Revision

ANSI/UL 2238-2021, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2020) Final Action Date: 3/22/2021

Revision

ANSI/UL 2703-2021, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703 -2019) Final Action Date: 3/23/2021

Call for Members (ANS Consensus Bodies)

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

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 p: (703) 264-7515 w: www.aiaa.org Nick Tongson; NickT@aiaa.org

BSR/AIAA S-155-202x, Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) - Spacecraft Fiducial Markers (new standard)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 p: (202) 628-6380 w: www.atis.org Drew Greco; dgreco@atis.org

BSR/ATIS 06000xx-202x, Security Requirements for Telecommunications Equipment Structures (new standard)

BSR/ATIS 0600028-202x, DC Power Wire and Cable for Telecommunications Power Systems for XHHW and DLO/Halogenated RHH-RHW Cable Types (revision of ANSI/ATIS 0600028-2016)

BSR/ATIS 0600030-2016 (R202x), Line-Powering of Telecommunications Equipment on Outside Plant (OSP) Copper Twisted Pair Loops (reaffirmation of ANSI/ATIS 0600030-2016)

BSR/ATIS 0600031.02-202x, Distributed Single Phase Cooling - Standardized Infrastructure (new standard)

BSR/ATIS 0600315-202x, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI/ATIS 0600315-2018)

BSR/ATIS 0600318-202x, Electrical Protection Applied to Telecommunications Network Plant at Entrances to Customer Structures or Buildings (revision of ANSI/ATIS 0600318-2016)

BSR/ATIS 0600338-202x, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 p: (813) 903-4712 w: www.bicsi.org Jeff Silveira; jsilveira@bicsi.org

BSR/BICSI 11-202x, Information Communication Technology Design and Implementation Practices for Airports and Transit Facilities (new standard)

BSR/BICSI 12-202x, Information Communication Technology Design and Implementation Practices for Power and Utility Infrastructure (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org Deborah Spittle; comments@standards.incits.org

INCITS 558-201x, Information technology - ATA Command Set - 5 (ACS-5) (new standard)

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3264 w: www.nema.org Michael Leibowitz; mike.leibowitz@nema.org

BSR NEMA MG 1-202x, Motors and Generators (revision of ANSI/NEMA MG 1-2016)

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org Khaled Masri; Khaled.Masri@nema.org

BSR ICEA S-119-741-202x, Standard for Fiber To The Antenna (FTTA) Optical Fiber Cable (revision of ANSI/ICEA S-119-741-2016)

BSR/ICEA T-28-562-2003 (R202x), Test Method for Measurement of Hot Creep of Polymeric Insulations (reaffirmation of ANSI/ICEA T-28-562-2003 (R2014))

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org Allan Rose; arose@nsf.org

BSR/NSF 49-202x (i165r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org Jason Snider; jsnider@nsf.org

BSR/NSF 245-202x (i19r7), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

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 JT(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.

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

ANS - American Nuclear Society

Comment Deadline: May 3, 2021

The American Nuclear Society (ANS), an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited standards committee rules and procedures for documenting consensus on ANS-sponsored American National Standards, under which it was last reaccredited in 2018. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Patricia Schroeder, Standards Administrator, American Nuclear Society (ANS), 555 North Kensington Avenue, La Grange Park, IL 60526-5592 p: (708) 579-8269 e: pschroeder@ans.org

You may view/download a copy of the revisions during the public review period at the following URL: https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents% 2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANS%20Accreditation%20Actions%2FApril% 202%20%2D%20May%203%2C%202021%20Public%20Review%20Period&InitialTabId=Ribbon% 2EDocument&VisibilityContext=WSSTabPersistence

Please submit any public comments on the revised procedures to ANS by May 3, 2021, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Withdrawal of Accreditation - ASD

SAWE - Society of Allied Weights Engineers

Effective March 30, 2021

The SAWE - Society of Allied Weights Engineers has requested the formal withdrawal of its accreditation as a developer of American National Standards (ANS), and of its sponsored-ANS:

Notice of Withdrawn ANS

ANSI/SAWE STD PD M-4-2020, Supplier Weight Control for the Marine Industry, (new standard)

Discontinuance of standards proposals

BSR/SAWE STD A-06-202X, Standard Coordinate System for Reporting the Mass Properties of Flight Vehicles RP A-6, (new standard)

BSR/SAWE STD-A06-202x, Standard Coordinate System for Reporting the Mass Properties of Flight Vehicles RP A-6, (new standard)

These actions took effect on March 30, 2021. For additional information, please contact: Jeffrey Cerro; p: (757) 570 -1386 e: jeffcerro@verizon.net

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 linkis www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

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

Please visit ANSI's website (www.ansi.org)

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi. org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi. org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd

- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8 108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/

- Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/
- ANSI Education and Training: www.standardslearn.org

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

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

American National Standards Under Continuous Maintenance

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

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

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

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

ANSI-Accredited Standards Developers Contacts

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

AAFS

American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 e: tambrosius@aafs.org p: (719) 453-1036 www.aafs.org

ABYC

American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 e: smoulton@abycinc.org p: (410) 990-4460 www.abycinc.org

AIAA

American Institute of Aeronautics and Astronautics 12700 Sunrise Valley Drive Suite 200 Reston, VA 20191-5807 e: NickT@aiaa.org p: (703) 264-7515 www.aiaa.org

ALI (ASC A14)

American Ladder Institute 330 N. Wabash Avenue Suite 2000 Chicago, IL 60611-6610 e: info@americanladderinstitute.org p: (312) 321-6806 www.americanladderinstitute.org

ANS

American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 e: kmurdoch@ans.org p: (708) 579-8268 www.ans.org

API

American Petroleum Institute 200 Massachusetts Avenue NW Washington, DC 20001 e: goodsons@api.org p: (202) 682-8130 www.api.org

ASABE

American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 e: brace@asabe.org p: (269) 932-7009 https://www.asabe.org/

ASC X9

Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 e: Ambria.frazier@x9.org p: (410) 267-7707 www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329-2305 e: etoto@ashrae.org p: (404) 636-8400 www.ashrae.org

ASTM

ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428 -2959 e: accreditation@astm.org p: (610) 832-9744 www.astm.org

ATIS

Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 e: dgreco@atis.org p: (202) 628-6380 www.atis.org

AVIXA

Audiovisual and Integrated Experience Association 11242 Waples Mill Road Suite 200 Fairfax, VA 22030 e: lovercash@avixa.org p: (703) 273-7200 www.avixa.org

AWS

American Welding Society 8669 NW 36th Street Suite 130 Miami, FL 33166-6672 e: gupta@aws.org p: (305) 443-9353 www.aws.org

AWWA

American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 e: polson@awwa.org p: (303) 347-6178 www.awwa.org

BICSI

Building Industry Consulting Service International 8610 Hidden River Parkway Tampa, FL 33637 e: jsilveira@bicsi.org p: (813) 903-4712 www.bicsi.org

CRRC

Cool Roof Rating Council 2435 N. Lombard Street Portland, OR 97217 e: sarah@coolroofs.org p: (503) 606-8448 www.coolroofs.org

Home Innovation

Home Innovation Research Labs 400 Prince George's Boulevard Upper Marlboro, MD 20774-8731 e: nshah@homeinnovation.com p: (267) 408-6030 www.HomeInnovation.com

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO 18927 Hickory Creek Drive Suite 220 Mokena, IL 60448 e: marianne.waickman@asseplumbing.org p: (708) 995-3015 www.asse-plumbing.org

ICC

International Code Council 4051 Flossmoor Road Country Club Hills, IL 60478 e: kaittaniemi@iccsafe.org p: (888) 422-7233 www.iccsafe.org

IEEE (ASC C63)

Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 e: J.Santulli@ieee.org p: (732) 562-3874 www.ieee.org

IES

Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 e: pmcgillicuddy@ies.org p: (917) 913-0027 www.ies.org

ITI (INCITS)

InterNational Committee for Information Technology Standards 700 K Street NW Suite 600 Washington, DC 20001 e: comments@standards.incits.org p: (202) 737-8888 www.incits.org

MHI

Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 e: pdavison@mhi.org p: (704) 714-8755 www.mhi.org

NEMA (ASC C50)

National Electrical Manufacturers Association 1300 N 17th Street Suite 900 Rosslyn, VA 22209 e: mike.leibowitz@nema.org p: (703) 841-3264 www.nema.org

NEMA (ASC C8)

National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Arlington, VA 22209 e: Khaled.Masri@nema.org p: (571) 426-3226 www.nema.org

NEMA (ASC C82)

National Electrical Manufacturers Association 1300 N 17th St Rosslyn, VA 22209 e: Michael.Erbesfeld@nema.org p: (703) 841-3262 www.nema.org

NENA

National Emergency Number Association 1700 Diagonal Road Suite 500 Alexandria, VA 22314 e: darnold@nena.org p: (727) 312-3230 www.nena.org

NFPA

National Fire Protection Association One Batterymarch Park Quincy, MA 02269-9101 e: PFoley@nfpa.org p: (617) 984-7248 www.nfpa.org

NSF

NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 e: arose@nsf.org p: (734) 827-3817 www.nsf.org

NSF

NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 e: jsnider@nsf.org p: (734) 418-6660 www.nsf.org

PHTA

Pool and Hot Tub Alliance 2111 Eisenhower Avenue Alexandria, VA 22314 e: standards@phta.org p: (703) 838-0083 www.PHTA.org

SCTE

Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 e: kcooney@scte.org p: (800) 542-5040 www.scte.org

TCNA (ASC A108)

Tile Council of North America 100 Clemson Research Blvd. Anderson, SC 29625 e: KSimpson@tileusa.com p: (864) 646-8453 www.tcnatile.com

UL

Underwriters Laboratories 12 Laboratory Drive P.O. Box 13995 Research Triangle Park, NC 27709 -3995 e: Doreen.Stocker@ul.org p: (919) 549-1391 https://ul.org/

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 21805, Guidance on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems - 6/13/2021, \$107.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 6826, Reciprocating internal combustion engines - Fire protection - 6/13/2021, \$53.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 23547, Measurement of radioactivity - Gamma emitting radionuclides - Reference measurement standard specifications for the calibration of gamma-ray spectrometers - 6/17/2021, \$58.00

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

ISO/DIS 3459, Plastic piping systems - Mechanical joints between fittings and pressure pipes - Test method for leak tightness under negative pressure - 6/13/2021, \$40.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1658, Natural rubber (NR) - Evaluation procedure - 6/17/2021, \$71.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 9277, Determination of the specific surface area of solids by gas adsorption - BET method - 6/13/2021, \$77.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 3767-5, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 5: Symbols for manual portable forestry machines - 6/17/2021, \$46.00

TRADITIONAL CHINESE MEDICINE (TC 249)

- ISO/DIS 23963-1, Traditional Chinese Medicine Requirements for process traceability system of Chinese materia medica and decoction pieces Part 1: Components 6/17/2021, \$53.00
- ISO/DIS 23963-2, Traditional Chinese Medicine Requirements for process traceability system of Chinese materia medica and decoction pieces - Part 2: Electronic labelling - 6/17/2021, \$40.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 18047-3, Information technology Radio frequency identification device conformance test methods - Part 3: Test methods for air interface communications at 13,56 MHz -6/12/2021, \$112.00
- ISO/IEC DIS 19944-2, Cloud computing and distributed platforms -Data flow, data categories and data use - Part 2: Guidance on application and extensibility - 6/14/2021, \$82.00

IEC Standards

- 8B/77/CD, IEC TS 62898-3-3 ED1: Microgrids Part 3-3: Technical requirements Self-regulation of dispatchable loads, 05/21/2021
- 11/275A/CD, IEC 61284 ED3: Overhead lines Requirements and tests for fittings, 06/18/2021
- 22E/214A/NP, PNW TS 22E-214 ED1: Functions of smart inverter for DER to support the power grid - Test Methods for general function requirements, 04/23/2021

- 34A/2236/CD, IEC 63356-1 ED1: LED light source characteristics -Part 1: Datasheets, 06/18/2021
- 34A/2237/CD, IEC 63356-2 ED1: LED light source characteristics -Part 2: Design parameters and values, 06/18/2021
- 34D/1614/CD, IEC 62722-2-1 ED2: Luminaire performance Part 2-1: Particular requirements for LED luminaires, 06/18/2021
- 40/2832/CD, IEC 60738-1 ED4: Thermistors Directly heated positive temperature coefficient Part 1: Generic specification, 06/18/2021
- 46C/1183/CD, IEC 61156-15 ED1: Multicore and symmetrical pair/quad cables for digital communications - Part 15: Symmetrical pair/quad cables for horizontal floor wiring with transmission characteristics up to 1 000 MHz and resistance to fire performance characteristics - Sectional specification, 06/18/2021
- 47E/746/FDIS, IEC 60747-5-13 ED1: Semiconductor devices Part 5 -13: Optoelectronic devices - Hydrogen sulphide corrosion test for LED packages, 05/07/2021
- 57/2350(F)/CDV, IEC 61968-100 ED2: Application integration at electric utilities System interfaces for distribution management Part 100: Implementation profiles, 06/11/2021
- 59L/200/CDV, IEC 63174 ED1: Electrically operated toothbrushes -Method for measuring performance, 06/18/2021
- 79/642/CDV, IEC 62676-2-33 ED1: Video surveillance systems for use in security applications - Part 2-33: Cloud uplink and remote management system access, 06/18/2021
- 85/769/CD, IEC 61557-7/AMD1 ED3: Amendment 1 Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence, 06/18/2021
- 99/311/FDIS, IEC 61936-1 ED3: Power installations exceeding 1 kV AC and 1,5 kV DC - Part 1: AC, 05/07/2021
- 124/137/CDV, IEC 63203-201-1 ED1: Wearable electronic devices and technologies - Part 201-1: Electronic Textile - Measurement methods for basic properties of conductive yarns, 06/18/2021
- 124/138/CDV, IEC 63203-201-2 ED1: Wearable electronic devices and technologies - Part 201-2: Electronic Textile - Measurement methods for basic properties of conductive fabrics and insulation materials, 06/18/2021
- SyCSmartCities/184/CD, IEC SRD 63188 ED1: Systems Reference Deliverable - Smart Cities - Smart Cities Reference Architecture Methodology (SCRAM), 05/21/2021

Newly Published ISO & IEC Standards



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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 20784:2021, Sensory analysis - Guidance on substantiation for sensory and consumer product claims, \$111.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 80601-2-85:2021, Medical electrical equipment - Part 2-85: Particular requirements for the basic safety and essential performance of cerebral tissue oximeter equipment, \$250.00

BUILDING CONSTRUCTION (TC 59)

ISO 9046:2021, Building and civil engineering sealants -Determination of adhesion/cohesion properties at constant temperature, \$48.00

CRANES (TC 96)

ISO 10245-1:2021, Cranes - Limiting and indicating devices - Part 1: General, \$73.00

DENTISTRY (TC 106)

- ISO 23450:2021, Dentistry Intraoral camera, \$111.00
- ISO 28399:2021, Dentistry External tooth bleaching products, \$149.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO 14031:2021, Environmental management - Environmental performance evaluation - Guidelines, \$200.00

FOOTWEAR (TC 216)

ISO 16181-1:2021, Footwear - Critical substances potentially present in footwear and footwear components - Part 1: Determination of phthalate with solvent extraction, \$111.00

GEOTECHNICS (TC 182)

ISO 22282-4:2021, Geotechnical investigation and testing -Geohydraulic testing - Part 4: Pumping tests, \$175.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 23700:2021, Wrought magnesium and magnesium alloys -Rolled plates and sheets, \$73.00

MACHINE TOOLS (TC 39)

ISO 19085-12:2021, Woodworking machines - Safety - Part 12: Tenoning/profiling machines, \$225.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO 19901-10:2021, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 10: Marine geophysical investigations, \$250.00

NICKEL AND NICKEL ALLOYS (TC 155)

ISO 23156:2021, Ferronickels - Determination of phosphorus, manganese, chromium, copper and cobalt contents - Inductively coupled plasma optical emission spectrometric method, \$111.00

NUCLEAR ENERGY (TC 85)

ISO 11665-4:2021, Measurement of radioactivity in the environment - Air: radon-222 - Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis, \$175.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

- ISO 15368:2021, Optics and photonics Measurement of reflectance of plane surfaces and transmittance of plane parallel elements, \$149.00
- ISO 14490-3:2021, Optics and photonics Test methods for telescopic systems - Part 3: Test methods for telescopic sights, \$111.00

PAINTS AND VARNISHES (TC 35)

ISO 28199-1:2021, Paints and varnishes - Evaluation of properties of coating systems related to the spray application process - Part 1: Vocabulary and preparation of test panels, \$48.00

PLAIN BEARINGS (TC 123)

ISO 16287:2021, Plain bearings - Thermoplastic bushes - Dimensions and tolerances, \$111.00

ROAD VEHICLES (TC 22)

ISO 21498-2:2021, Electrically propelled road vehicles - Electrical specifications and tests for voltage class B systems and components - Part 2: Electrical tests for components, \$200.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4664-3:2021, Rubber, vulcanized or thermoplastic -Determination of dynamic properties - Part 3: Glass transition temperature (Tg), \$73.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 23212:2021, Ships and marine technology - Flange connection for fuel and lubrication oil bunkering - Basic dimensions and technical requirements, \$73.00

SPRINGS (TC 227)

ISO 22705-1:2021, Springs - Measurement and test parameters -Part 1: Cold formed cylindrical helical compression springs, \$175.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO 6410-3:2021, Technical drawings - Screw threads and threaded parts - Part 3: Simplified representation, \$48.00

THERMAL INSULATION (TC 163)

ISO 24353/Amd1:2021, Hygrothermal performance of building materials and products - Determination of moisture adsorption/desorption properties in response to humidity variation - Amendment 1, \$20.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 8205:2021, Resistance welding equipment - Water-cooled secondary connection cables - Dimensions and requirements for double-conductor connection cables, \$111.00

IEC Technical Reports

NANOTECHNOLOGIES (TC 229)

IEC/TR 63258:2021, Nanotechnologies - A guideline for ellipsometry application to evaluate the thickness of nanoscale films, FREE

ISO Technical Reports

HEALTH INFORMATICS (TC 215)

ISO/TR 24291:2021, Health informatics - Applications of machine learning technologies in imaging and other medical applications, \$111.00

ISO Technical Specifications

HUMAN RESOURCE MANAGEMENT (TC 260)

- ISO/TS 24178:2021, Human resource management Organizational culture metrics cluster, \$111.00
- ISO/TS 30425:2021, Human resource management Workforce availability metrics cluster, \$73.00

- ISO/TS 30427:2021, Human resource management Costs metrics cluster, \$73.00
- ISO/TS 30431:2021, Human resource management Leadership metrics cluster, \$73.00
- ISO/TS 30432:2021, Human resource management Workforce productivity metrics cluster, \$73.00

NANOTECHNOLOGIES (TC 229)

ISO/TS 80004-6:2021, Nanotechnologies - Vocabulary - Part 6: Nanoobject characterization, \$48.00

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

ISO/TS 23818-3:2021, Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines - Part 3: Unplasticised poly(vinyl chloride) (PVC-U) material, \$149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14763-4:2021, Information technology - Implementation and operation of customer premises cabling - Part 4: Measurement of end-to-end (E2E)-Links, \$111.00

IEC Standards

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

IEC 60079-10-1 Ed. 3.0 en cor.1:2021, Corrigendum 1 - Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres, \$0.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

IEC 61000-3-SER Ed. 1.0 b:2021, Electromagnetic compatibility (EMC) - Part 3: Limit - ALL PARTS, \$2385.00

TERMINOLOGY (TC 1)

- IEC 60050-121 Amd.5 Ed. 2.0 b:2021, Amendment 5 International Electrotechnical Vocabulary (IEV) - Part 121: Electromagnetism, \$25.00
- IEC 60050-466 Amd.2 Ed. 1.0 b:2021, Amendment 2 International Electrotechnical Vocabulary (IEV) - Part 466: Overhead lines, \$13.00
- IEC 60050-561 Amd.3 Ed. 2.0 b:2021, Amendment 3 International Electrotechnical Vocabulary (IEV) - Part 561: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection, \$13.00

- IEC 60050-702 Amd.6 Ed. 1.0 b:2021, Amendment 6 International Electrotechnical Vocabulary (IEV) - Part 702: Oscillations, signals and related devices, \$13.00
- IEC 60050-705 Amd.6 Ed. 1.0 b:2021, Amendment 6 International Electrotechnical Vocabulary (IEV) - Part 705: Radio wave propagation, \$13.00
- IEC 60050-713 Amd.5 Ed. 1.0 b:2021, Amendment 5 International Electrotechnical Vocabulary (IEV) - Part 713: Radiocommunications: transmitters, receivers, networks and operation, \$13.00
- IEC 60050-725 Amd.3 Ed. 2.0 b:2021, Amendment 3 International Electrotechnical Vocabulary (IEV) - Part 725: Space radiocommunications, \$13.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Deoxidizers and Desiccants

Comment Deadline: June 18, 2021

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Deoxidizers and Desiccants, with the following scope statement:

Standardization in the field of deoxidizers and desiccants, including terminology, categories, specifications, control and management of production processes, and testing methods of the quality and safety indexes.

Excluded:

1. Requirements of the outer package of products covered by ISO/TC122.

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, June 18, 2021.

ISO Proposal for a New Field of ISO Technical Activity

Roofing and Waterproofing Building Materials

Comment Deadline: April 23, 2021

GOST R, the ISO member body for Russia, has submitted to ISO a proposal for a new field of ISO technical activity on Roofing and waterproofing building materials, with the following scope statement:

Standardization of materials and components used for roofs design and construction processes, as well as materials used for waterproofing in construction.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (sot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on April 23, 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.

Public Review Draft

Proposed Addendum e to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review Draft (March 2021) (Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at <u>www.ashrae.org/standards-research--technology/public-review-drafts</u> and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at <u>www.ashrae.org/bookstore</u> or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, <u>www.ashrae.org</u>.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, w arranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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ASHRAE, 180 Technology Parkway, Peachtree Corners GA 30092









BSR/ASHRAE/ICC/USGBC/IES Addendume to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings First Public Review Draft.

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(This fore word is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Foreword

This addendum clarifies, by using defined terms, the permitted methods of supply air reheat in Section 8.3.1.6.1. To provide design flexibility, all types of on-site renewable energy systems can be used for supply air reheat, even though some may be considered to have other more beneficial uses. This addendum does not intend to make substantive changes to the section.

The requirements addressed by this addendum are expected to be enforced through the normal plan review process. The requirements include specifics on application to certain HVAC system types and are applicable to any building type with those systems.

The requirements of 8.3.1.6.1 are modified versions of requirements in Standard 90.1. The following definition from 90.1 is used in this addendum; it is provided below for information only, i.e. it is not open for public review.

site-recovered energy: waste *energy* recovered at the *building* site that is used to offset consumption of purchased *fuel* or electrical *energy* supplies.

[Note to Reviewers: This addendum makes proposed changes to the language published in 189.1-2020. These changes are indicated in the text by <u>underlining</u> (for additions) and strikethrough (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum e to 189.1-2020

Revise Section 3.2 as follows:

site-recovered energy: see ANSI/ASHRAE/IES Standard 90.1.

Revise Section 8.3.1.6.1 *as follows:*

8.3.1.6.1 Cooling Coils. *HVAC systems* with dehumidification capability in *Climate Zones* 0A, 1A, 2A, 3A, 4A, and 4C shall be designed in accordance with one of the following:

BSR/ASHRAE/ICC/USGBC/IES Addendume to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft.

a. Where recirculating systems do not include means for HVAC zone humidity sensing, such systems shall include controls capable of maintaining the average cooling-coil leaving air temperature at 53°F (12°C) or lower and shall include devices and controls capable of maintaining each HVAC zone sensible temperature set point using one of the following approaches:

- 1. Variable HVAC zone supply airflow rate
- 2. Variable return-air bypass flow around each cooling coil serving one or more HVAC zones
- 3. Variable *HVAC zone* supply air reheat using *site*-recovered energy *site-recovered energy* or *site*-solar energy *on-site renewable energy systems*.

Revise Appendix C as follows:

C1.1 Renewable, Recovered, and Purchased Energy. *On-site renewable energy systems* and *site* recovered energy *site-recovered energy*: The modeling requirements for *on-site renewable energy systems* in the *proposed building performance* in ANSI/ASHRAE/IES Standard 90.1, Section G2.4.1, shall not apply and are superseded by Table C1.1, Section 15, "Renewable Energy Systems."

Public Review Draft

Proposed Addendum w to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Third Public Review Draft (March 2021) (Draft Shows Proposed Changes to Current Standard)

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BSR/ASHRAE/ICC/USGBC/IES Addendumw to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Third Public Review Draft.

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(This fore word is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Foreword

This addendum modifies the language Standard 189.1-2020. It increases the stringency of the airtightness testing requirement in Standard 90.1 and requires testing in more buildings.

The changes in this addendum provide two benefits. First, the existing requirements related to continuous air barriers and airtightness testing, based on 90.1, are clarified. Second, the reduction in air leakage that the standard will provide serve to both reduce energy consumption through reduced air leakage and improve indoor air quality by reducing uncontrolled airflow and potential for contaminant and moisture transport into and through the building envelope.

Compliance with the provisions in this addendum may result in minor increases in construction costs, although requirements for continuous air barriers already exist in the energy codes. Where such requirements exist, the increased cost is primarily related to additional quality control activities related to air barrier installation and sealing. The addendum also adds airtightness testing requirements to many buildings that do not require testing under Standard 90.1. Buildings constructed with good quality control procedures are expected to achieve required air leakage rates with little difficulty, but additional expense will be incurred by buildings which need to perform corrective actions.

Code authorities will need to include checks of the continuous air barrier design in the plan review process and building inspectors will need to verify installation of the air barrier. Review of test results and reports of corrective actions may be required for some buildings.

Requirements like those in this addendum are already included in Standard 90.1. This addendum simply reduces the acceptable leakage rate for tested buildings and expands the testing requirement to more buildings.

[Note to Reviewers: This addendum makes proposed changes to the language published in 189.1-2020. These changes are indicated in the text by <u>underlining</u> (for additions) and strikethrough (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

BSR/ASHRAE/ICC/USGBC/IES Addendumw to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Third Public Review Draft.

Addendum w to 189.1-2020

Add new definitions in Section 3 as follows:

High-rise building: A building with an occupied floor located more than 75 feet (23 m) above the lowest level of fire department vehicle access.

Revise Section 7.3.1 as follows:

7.3.1 **General.** *Building projects* shall be designed to comply with Sections 5.2.1, 6.2.1, 7.2.1, 8.2.1, 9.2.1, and 10.2.1 of ANSI/ASHRAE/IES Standard 90.1, except as modified below.

Replace Section 7.3.1.2 as follows:

7.3.1.2. Continuous Air Barrier. The exceptions to the requirement for a *continuous air barrier* in ANSI/ASHRAE/IES Standard 90.1, Section 5.4.3.1, for specific climate zones and constructions shall not apply. The testing criteria of Section 10.6(a) shall supersede ANSI/ASHRAE/IES Standard 90.1, Section 5.4.3.1.1.

7.3.1.2. Airtightness. Envelopes shall be designed to achieve air leakage less than 0.25 cfm/ft² (1.25L/s m²) under a pressure differential of 0.3 in. of water (75 Pa). Exceptions 1 and 2 to the requirement for a *continuous air barrier* in Section 5.4.3.1 of ANSI/ASHRAE/IES Standard 90.1 shall not apply. Buildings shall comply with airtightness testing requirements in Section 10.6.

Replace Section 10.6 as follows:

10.6 Building Envelope Airtightness Testing. <u>Building envelope airtightness shall comply with ANSI/ASHRAE/IES</u> Standard 90.1, with the following modifications and additions. Air leakage verification shall be determined in accordance with ANSI/ASHRAE/IES Standard 90.1, Section 5.9.1:

- a.—When implementing the testing option in ANSI/ASHRAE/IES Standard 90.1, Section 5.4.3.1.1, whole building pressurization testing shall meet the following requirements:
 - 1.—It shall be conducted in accordance with ASTM E779, ASTM E1827, CAN/CGSB 149.10, CAN/CGSB 149.15, ISO 9972, or equivalent standard by an independent third party.
 - 2. The measured air leakage rate of the building envelope shall not exceed 0.25 cfm/ft² (1.25 L/s m²) under a pressure differential of 0.3 in. of water (75 Pa), with this air leakage rate normalized by the sum of the above and below grade building envelope areas of the conditioned and semiheated space.
 - 3. Section 5.4.3.1.1, Exception 1, is not allowed.
 - 4. Section 5.4.3.1.1, Exception 2, is allowed where the measured air leakage rate exceeds 0.25 cfm/ft² (1.25 L/s m²) but does not exceed 0.40 cfm/ft² (2.0 L/s m²).
- When implementing the *verification* program option in ANSI/ASHRAE/IES Standard 90.1, Section 5.9.1, the air barrier design review shall be performed by an independent third party.

The requirements in this section supersede the requirements in ANSI/ASHRAE Standard 90.1, Section 5.4.3.1.1.

An *approved* third party shall perform whole-building pressurization testing to determine the leakage rate of the building at a reference pressure differential of 0.3 in. of water column (75 Pa), normalized by the sum of the above-grade and below-grade *building envelope* areas of *conditioned space* and *semiheated space*. Such testing shall be in accordance with ASTM E779, ASTM E1827, ASTM E3158, CAN/CGSB-149.10, CAN/CGSB-149.15, or ISO 9972 and performed while the air barrier system is accessible for inspection and sealing.

a. Where the measured air leakage rate of the building is in the range of 0.25 cfm/ft² (1.25 L/s m²) to 0.40 cfm/ft² (2.0 L/s m²), an *approved* third party shall perform a diagnostic evaluation. Permitted methods include but are not limited to visible tracing or infrared imaging in accordance with ASTM E1186 while the building is pressurized. In addition, a visual inspection of the air barrier shall be conducted. Leaks identified by testing or inspection shall be sealed where such sealing can be made without destruction of existing building components. The building shall be retested and a report specifying the corrective actions taken to seal leaks and the resulting leakage rate shall be submitted to the building

BSR/ASHRAE/ICC/USGBC/IES Addendum wto ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Third Public Review Draft.

owner and made available to the AHJ.

b. Where the measured air leakage rate is greater than 0.40 cfm/ft² (2.0 L/s m²), an *approved* third party shall perform corrective actions and repeat the whole-building pressurization testing described in (a) above until the measured air leakage rate is not greater than 0.40 cfm/ft² (2.0 L/s m³).

Exceptions to 10.6:

- 1. Existing buildings
- 2. Where an *approved* third party has verified the design and installation of the *continuous air barrier* for *high-rise buildings* and for buildings greater than 100,000 ft² (10,000 m²) of gross conditioned floor area, in accordance with ANSI/ASHRAE Standard 90.1, Section 5.9.1.2.

Add the following reference to Section 11:

Reference	Title	Section
ASTM E1186-17	Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems	<u>10.6</u>

NENA i3 Standard for Next Generation 9-1-1

ANS CANDIDATE NENA-STA-010.3-202Y

Only highlighted text open for Public Review 3 Comment. For reference only, entire draft is available <u>here</u>.

3.1.1.1 INVITE (initial call)

The INVITE method is used to initiate an interactive call. The standard INVITE/200 OK/ACK sequence MUST be followed, with allowance for provisional (1XX) responses.

An emergency call has a Route header field containing next-hop data obtained from the ECRF based on the location of the call, and a Request-URI containing a Service URN. Nominally, the Service URN SHOULD be "urn:service:sos" or a subservice. In most jurisdictions, subservices such as "urn:service:sos.police", "urn:service:sos.fire" and "urn:service:sos.ambulance" appearing on a call presented to the Next Generation 9-1-1 Core Services (NGCS) are routed as they would be without the subservice. The first element of the NGCS encountering a call with a subservice MUST rewrite the Request-URI to "urn:service:sos".

4.12.3.1 LogEvents

The Logging Service stores LogEvents as a JWS. A LogEvent object contains:

Name	Condition	Description
logEventIdentifier	MANDATORY	LogEvent Identifier as described in Section 2.1.8
clientAssignedIdentifier	<u>OPTIONAL</u>	An identifier assigned by the client
logEventType	MANDATORY	LogEvent type as described in Section 4.12.3.7
timestamp	MANDATORY	A Timestamp as defined in Section 2.3
<mark>elementId</mark>	MANDATORY	Element identifier (Section 2.1.3) of the element that logged the event
agencyId	MANDATORY-Conditional: REQUIRED if Element Identifier not supplied, may be supplied otherwise	AgencyId <u>(Section 2.1.1)</u> of the agency that logged the event

Name	Condition	Description	
agencyAgentId	Conditional: REQUIRED if the log record is traceable to an agent. If the log record is only attributable to an element or agency, this element will not be included.	The agentId A gent Identifier (Section 2.1.1 –2.1.2) of an agent at the agency listed in the listed in the AgencyId tag, See Section 2.1.2. t hat logged the event.	
agencyPositionId	OPTIONAL	Identifier for the position that is handling a call.	
callId	Conditional: REQUIRED if event is associated with a call	The <u>C</u> eall <u>I</u> identifier of a call, see Section 2.1.6	
incidentId	Conditional: REQUIRED if event is associated with an Incident	The Incident Tracking Identifier associated with the call, see Section 2.1.7	
callIdSIP	Conditional: REQUIRED if event is associated with a SIP call	CallId from SIP	
ipAddressPort	Conditional: REQUIRED if logging element knows the identity of the other element	Normalized IP address and port number string or Fully Qualified Domain Name of another element that participated in a transaction that triggered this LogEvent (e.g., an element that sent or responded to a query). This is not the address of the element that logs the event. <a href="<br">IPv6 format statement>For IPv6 addresses, the maximum uncompressed form is recommended and may be required in a future version of this document. (See <i>A</i> <i>Recommendation for Ipv6</i> <i>Address Text Representation</i> , RFC 5952 [196].	
extension	OPTIONAL, occurs 0 or more times	Optional private extension	
r tsp	OPTIONAL	rtsp parameters returned from RecMediaStartEvent. MUST NOT be populated when storing a LogEvent	

The Logging Service stores and retrieves a JWS [171] of the entire LogEvent (see Section 5.10), including all extensions. The signer (using its credentials traceable to the PCA) is: the Agent if an agencyAgentId is provided, otherwise it is the Element.

The Agency if an AgencyID is provided and no agencyAgentID is provided;

- The Element if an ElementID is provided;
- The Agent, if an AgentID is provided.

The signature is optional, but policy of the agency may require its use.

The clientAssignedIdentifier is not used by the Logging Service but is preserved by it.

The callId CallIdURN and incidentId IncidentIdURN are provided on all legs of a dialogforming SIP transaction initial message (INVITE or MESSAGE). Stateless proxies may not know the IDs and thus may not be able to provide them, and some implementations may not be able to provide the IDs on other messages in the transaction. The Logging Service will need to find such messages via callIdSIP (via the SIP call identifier) and log the callId and incidentId.

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4.12.3.1.1 Retrieve LogEvents

On a successful GET, a logEventArray is returned:

<u>log</u>EventArray

Name	Condition	Description
count	MANDATORY	Number of items in the array
totalCount	MANDATORY	Total number of items found
logEventContainers logEvents	MANDATORY	Array of LogEvent <u>Container</u> objects , each in JWS format (Base61 encoded header, payload and signature)

A LogEventContainer contains:

logEventId	MANDATORY	LogEvent Identifier assigned by the logging service as described in Section 2.1.8
rtsp	<u>CONDITIONAL</u>	rtsp parameters returned from RecMediaStartEvent. MUST be returned if media was recorded
logEvent	MANDATORY	A LogEvent in JWS format

•••

4.12.3.1.3 LogEvents by LogEvent Identifier

Retrieves a log event <u>by based on</u> its logEventIdLogEvent Identifier. Event is returned as a LogEvent<u>Container</u> (See Section 4.12.3.1.1).

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4.15.4 Service/Agency Locator Record

The data returned by dereferencing a service/agency locator record URI is a JSON data structure containing the following elements:

Name	Condition	Use
recordId	MANDATORY	Id of this record at this S/AL
serviceAgencyId	MANDATORY	ServiceId or AgencyId of the Service or Agency
serviceAgencyName	MANDATORY	Official name of Service or Agency
serviceAgencyJcard	MANDATORY	Service operator or Agency Contact information. The name of the service or agency is found in the first 'org' field of the jCard.
serviceAgencyTypes	MANDATORY	Array of Service or Agency Type (psap, police, fire,)

10.29 "Status Codes" Registry

IANA is requested to add the following entries to the StatusCodes registry:

Status Code	Description	Reference
<mark>200</mark>	OK	This document
<mark>201</mark>	Successfully Created	This document
<mark>307</mark>	Temporary Redirect	This document
333	Iterative Refer	This document
<mark>401</mark>	Unauthorized	This document
<mark>404</mark>	Not Found	This document

10.32 "GIS Layers" Registry

IANA is requested to add the following entries to the GIS Layers registry:

Name	Reference
RoadCenterline	This document
SiteStructurePoint	This document
PSAPPolygon	This document
PolicePolygon	This document
FirePolygon	This document
FireForestPolygon	This document
FireAirportPolygon	This document
FireMilitaryPolygon	This document
PrivatePolygon	This document

Name	Reference
EMSPolygon	This document
EmsPrivatePolygon	This document
EmsAirPolygon	This document
EmsMilitaryPolygon	This document
PoisonControlPolygon	This document
MountainRescuePolygon	This document
CoastGuardPolygon	This document
PoliceCountyPolygon	This document
PoliceStateProvincialPolygon	This document
PoliceFederalPolygon	This document
PoliceFederalFbiPolygon	This document
PoliceFederalRcmpPolygon	This document
PoliceFederalSecretServicePolygon	This document
PoliceFederalDeaPolygon	This document
PoliceFederalMarshalPolygon	This document
PoliceFederalCustomsBorderProtectionPolygon	This document
PoliceFederalImmigrationCustomsPolygon	This document
PoliceFederalAtfPolygon	This document
PoliceFederalParkPolygon	This document
PoliceFederalDiplomaticSecurityPolygon	This document
PoliceFederalProtectiveServicePolygon	This document
PoliceSheriffPolygon	This document
PoliceMilitaryPolygon	This document
PoliceCampusPolygon	This document
PolicePrivatePolygon	This document
PoliceAirportPolygon	This document
PoliceHousingPolygon	This document
PoliceParkPolygon	This document
StreetNameAliasTable	This document
LandmarkNamePartTable	This document
LandmarkNameCompleteAliasTable	This document
A1Polygon	This document
A2Polygon	This document
A3Polygon	This document
A4Polygon	This document
A5Polygon	This document
RailroadCenterLine	This document
HydrologyLine	This document
HydrologyPolygon	This document
CellSectorPoint	This document
LocationMarkerPoint	This document

Revision to NSF/ANSI 49 – 2019 Issue 165, Revision 1 (March 2021)

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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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI International Standard for Biosafety Cabinetry —

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

Normative Annex 1

(formerly Annex A)

Performance tests

N-1.6 Personnel, product, and cross-contamination protection (biological) tests

A.6.5.1.3 Side wall test

a) Position the horizontal spray axis of the nebulizer containing 55 mL of 5×10^4 to 8×10^4 spores/mL 3 to 5 inches (76 to 130 mm) above the work surface, with the back of the nebulizer located against the midpoint of the interior side wall selected in Section A.6.5.1.2. The spray axis shall be parallel to the work surface and directed toward the opposite sidewall.

b) Place open agar settling plates (100 × 15 mm) on the work surface in the following manner (see Figure 20):

 two rows of control plates with the centerline under the outlet of the nebulizer. A smoke visible aerosol or mist test may be performed to determine where the test organism will be best captured in these two rows, allowing unnecessary control plates to be eliminated;

— one row of plates with their centers on a line drawn front to back 14 inches (360 mm) from the side wall being tested; and

— at least one more row of plates nested beyond the 14 inches (360 mm) row; two rows when there is room.

c) Start the nebulizer. After 5 minutes, stop the nebulizer.

d) After 5 minutes, place the covers on the open agar plates. Incubate the plates at 97 \pm 2 °F (36.1 \pm 1 °C) and read at 44 to 48 hours. If plates are overgrown with a contaminant other than the challenge organism, the test shall be considered invalid and retested.

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e) For cabinets with a BSC nominal width of 3 feet or less, perform the same procedure (steps a to e), but place the nebulizer against the midpoint of the right interior wall.

A.6.5.1.4 Center test

a) The center test is completed only on cabinets with a BSC nominal width of greater than 3 feet. Reposition the nebulizer used in Section A.6.5.1.3 such that the axis of the reservoir is positioned over the geometric center of the work surface with the nebulizer facing the left side wall. The center of the nebulizer barrel shall be positioned at the same height as the top of the cabinet access opening. Either start with fresh suspension or top off the nebulizer used in Section A.6.5.1.3. Top off by adding approximately 5 mL of additional suspension and uniformly mix the suspension in the reservoir. After moving and topping off the nebulizer, perform a thorough surface decontamination of the entire work surface and side wall used for the side wall test. The axis of a 2.5 inch (63 mm) outside diameter cylinder, with closed ends, shall be centered side to side in the work area with the axis of the cylinder 2.75 inches (70 mm) above the work surface. One end shall butt against the back wall of the work area and the other end shall extend at least 6 inches (150 mm) into the room through the front opening of the cabinet.

b) Place open agar settling plates (100 x 15 mm) on the work surface in rows. Center one row under the nebulizer along the cabinet front to rear center line. Place two rows to the left side of the center row of plates. The stand for the nebulizer may interfere with plates in the middle. It is acceptable to leave plates out in the middle where this happens since these are control plates used to demonstrate recovery only. If the manufacturer or test agency is aware that adequate control recovery cannot be demonstrated from these three rows of plates alone, additional plates may be added, as instructed by the manufacturer. Placement of additional positive control plates shall be limited to the area directly above the three rows of control plates and the area under the front intake grille near the center of the cabinet (similar to personnel and product protection control plate placement). Apparatus used to suspend plates higher within this zone shall be installed in a manner that minimizes any disturbances to airflow. A smoke visible aerosol or mist test may be performed to determine where the test organism will be best captured in the areas described above, allowing unnecessary control plates to be eliminated. Place a row of plates with the edge of the plates 14 inches (360 mm) from the cabinet center line. Place additional rows of plates behind these, as cabinet size will allow, up to a maximum of four rows total. When the size of the cabinet does not allow for four rows on each side, place as many rows as will fit. Each row of plates shall be centered from front to rear on the work surface. Rows of plates shall touch each other but not be nested, as they are for the side wall cross contamination test.

c) Start the nebulizer. After 5 minutes, stop the nebulizer.

d) After 5 minutes, place the covers on the open agar plates. Incubate the plates at 98.6 °F (37 °C) and examine them at 44 to 48 hours.

e) Three replicate tests shall be completed.

Repeat steps a through e but with the nebulizer facing the right sidewall of the cabinet and plates positioned on the right side of the cabinet. After repositioning, top off the nebulizer as in step a and then perform a thorough surface decontamination of the entire work surface before placing any fresh plates.

Rationale: This proposal cleans up a recently created term ambiguity occurring with overlapping ballots i151 and i153.

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NSF/ANSI Standard For Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

- 8 Performance testing and evaluation
- •
- •
- •
- 8.2 Testing conditions, hydraulic loading and schedules

8.2.1 Influent wastewater characteristics

Except as required by NSF/ANSI 40 for systems seeking concurrent NSF/ANSI 40 and nitrogen reduction certification, the average wastewater characteristics delivered to the system over the course of the testing shall fall within:

- BOD₅: 100 to 300 mg/L;
- TSS: 100 to 350 mg/L;
- TKN: 35 to 70 mg/L (as N);
- Alkalinity : > 175 mg/L ratio of no less than 5:1 alkalinity (as CaCO₃):TKN
- temperature: 10 to 30 °C (50 to 86 °F); and
- pH: 6.5 to 9 SU.

Unless requested by the manufacturer, the raw influent shall be supplemented with sodium bicarbonate if the wastewater is found to be deficient in alkalinity. In addition, the influent shall be supplemented with urea to meet the required influent TKN concentration. The influent may also be supplemented with methanol to maintain a carbon:nitrogen ratio of no less than 5:1.

The raw influent shall be supplemented to meet the required influent alkalinity, TKN, and carbon:nitrogen ratio. The influent shall be supplemented with:

 sodium bicarbonate to achieve the minimum ratio of no less than 5:1 alkalinity:TKN, unless the manufacturer and certification body may agree to a lower ratio alkalinity:TKN as described below;

urea to meet the required influent TKN concentration; and

 methanol, or products such as MicroC®2000 and MicroC®4000 (or equivalent) to maintain a carbon:nitrogen ration of no less than 5:1
Revision to NSF/ANSI 245-2019 Issue 19, Revision 7 (March 2021)

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The manufacturer and certification body may agree to a lower alkalinity : TKN ratio. Adjustments shall be made based on the 30-day rolling averages of TKN, BOD, and alkalinity.

NOTE — For this testing, minimum alkalinity may be calculated as described in Annex I-1.

If the influent temperature drops below 10 °C (50 °F), impacting the nitrification process, sample collection may be suspended until the influent temperature returns to 10 °C (50 °F).

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Informative Annex 1

Information about nitrogen process

The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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I-1.3 Calculation example

Assuming that the minimum TKN (35 mg/L as N) is all in the ammonium-N form, the wastewater will contain 35 mg/L of ammonium-N. The US EPA *Nitrogen Control* manual (page 92), states that the theoretical alkalinity destruction ratio is 7.1 mg of alkalinity destroyed per mg of ammonium-N oxidized. An ammonium concentration of 35 mg/L would result in the destruction of 248 mg of alkalinity.

The denitrification process adds alkalinity, as described on page 103 of the *Nitrogen Control* manual, with the theoretical alkalinity production of 3.57 mg per mg of NO₃ nitrogen. If it is assumed that all of the ammonium-N is converted to NO₃ nitrogen (which is a generous assumption), the production of alkalinity for denitrification of 35 mg/L of NO₃ will be 125 mg/L.

For this example, the amount of alkalinity needed in the influent would be around 123 mg/L (248 mg/L – 125 mg/L) just to cover the process. In actuality, excess alkalinity is needed because if the alkalinity goes close to zero, wide pH swings could occur that will kill the bacteria. Allowing 50 mg/L of excess alkalinity, 173 mg/L (123 mg/L + 50 mg/L) of alkalinity will be required if the average influent TKN is 35 mg/L, the lowest allowable influent TKN. (175 mg/L Alkalinity : 35 mg/L TKN = 5 : 1)

BSR/UL 6420, Standard for Equipment Used for System Isolation and Rated as a Single Unit

1. Withdrawal of Proposal: UL 6420 Addition of Pneumatic Isolation

PROPOSAL

If the Proposal Review Work Area dated August 10, 2018, and the Recirculation Work Area dated July 12, 2019, proposals are withdrawn, the current requirements in the standard would remain unchanged and the proposed new supplement covering pneumatic isolation would not be added to the added L 6420.