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Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

AAMI (Association for the Advancement of Medical Instrumentation)

Chenai Maguwah <cmaguwah@aami.org> | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI/ISO 10993-17-202x, Biological evaluation of medical devices — Part 17: Toxicological risk assessment of medical device constituents (identical national adoption of ISO 10993-17 (under publication stage) and revision of ANSI/AAMI/ISO 10993-17-2002 (R2012))

Stakeholders: Biocompatibility/Biological evaluation experts, Regulators, Medical Device Manufacturers, Toxicologists

Project Need: AAMI adopts the ISO 10993 series of documents to standardize requirements for biological and clinical evaluation of medical devices. This second edition cancels and replaces the first edition (ISO 10993-17:2002), which has been technically revised. The main changes are as follows:

- the title has been changed;
- the scope has been revised and a new statement on its applicability has been added;
- the following terms have been removed: allowable limit, benefit factor, concomitant exposure factor, health benefit, health hazard, health risk, health risk analysis, leachable substance, multiple exposure, physiologically based pharmacokinetic modelling, proportional exposure factor, repeated use, simultaneous use, TCL modifying factor, tolerable exposure, and tolerable risk, utilization factor;
- the following terms have been added: analogue, benchmark dose low, carcinogen, constituent, dose-response, exposure dose, harmful dose, human carcinogen, identified constituent, irritation, margin of safety, point of departure, release kinetics, slope factor, suspected human carcinogen, systemic toxicity, threshold of toxicological concern, total quantity, toxicological risk, toxicological risk assessment, toxicological screening limit, and worst-case estimated exposure dose;
- the following clauses have been removed: Clause 4 on the general principles for establishing allowable limits, Clause 5 on the establishment of tolerable intake for specific leachable substances, Clause 6 on the ...

Interest Categories: Industry, User, Regulatory, General and Other

This document specifies the process and requirements for the toxicological risk assessment of medical device constituents. The methods and criteria used to assess whether exposure to a constituent is without appreciable harm are also specified. The toxicological risk assessment can be part of the biological evaluation of the final product, as described in ISO 10993-1. The process described in this document applies to chemical characterization information obtained in line with ISO 10993-18. When a toxicological risk assessment of either the compositional information or analytical chemistry data (e.g., extractable data or leachable data) are required to determine whether the toxicological risks related to the constituents are negligible or tolerable.

ACP (American Clean Power Association)

Duane Brown <dbrown@cleanpower.org> | 1501 M Street NW, Suite 1000 | Washington, DC 22205 www.cleanpower.org

New Standard

BSR/ACP 6000-1-202x, Solar Photovoltaic (PV) Workforce Definitions Standard (new standard)

Stakeholders: Solar energy stakeholders, owners, developers, OEMs, contractors, independent service providers, and all other impacted stakeholders.

Project Need: This provides definitions related to specific acronyms and terms contained in the Solar Photovoltaic (PV) Energy Entry-level Technician training standards.

Interest Categories: Education/training, General, Independent service providers, owner/operator, Producer/OEM, SME/R&D/Consultant.

This standard provides definitions related to specific acronyms and terms contained in the Solar Photovoltaic (PV) Energy Entry-level Technician training standards.

ACP (American Clean Power Association)

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New Standard

BSR/ACP 6000-2-202x, Solar Photovoltaic (PV) Energy Entry-level Technician Minimum Standard (new standard)

Stakeholders: Solar energy stakeholders, owners, developers, OEMs, contractors, independent service providers, and all other impacted stakeholders.

Project Need: To establish minimum knowledge and competencies for an individual with no work experience as a solar photovoltaic (PV) energy technician across all platforms upon completion of an entry-level solar photovoltaic (PV) energy technician educational program.

Interest Categories: Education/training, General, Independent service providers, owner/operator, Producer/OEM, SME/R&D/Consultant.

A competency standard to serve as the recommended curriculum for prospective or new solar technicians and to assist employers, workforce development and training professionals, academia, and others with the minimum educational and training-related requirements for entry-level Solar PV Energy Technicians. This standard will outline the minimum requirements for educational and training program's learning objectives, knowledge, and skills needed for an entry-level solar energy technician position.

ACP (American Clean Power Association)

Duane Brown <dbrown@cleanpower.org> | 1501 M Street NW, Suite 1000 | Washington, DC 22205 www.cleanpower.org

New Standard

BSR/ACP 7000-1-202x, Battery and Energy Storage System (BESS) Workforce Definitions Standard (new standard)

Stakeholders: Battery and energy storage stakeholders, owners, developers, OEMs, contractors, independent service providers, and all other impacted stakeholders.

Project Need: Provides definitions related to specific acronyms and terms contained in the Battery and Energy Storage System Entry-level (BESS) Technician training standards.

Interest Categories: Education/training, General, Independent service providers, owner/operator, Producer/OEM, SME/R&D/Consultant

This standard provides definitions related to specific acronyms and terms contained in the Battery and Energy Storage System (BESS) Entry-level Technician training standards.

ACP (American Clean Power Association)

Duane Brown <dbrown@cleanpower.org> | 1501 M Street NW, Suite 1000 | Washington, DC 22205 www.cleanpower.org

New Standard

BSR/ACP 7000-2-202x, Battery and Energy Storage System (BESS) Technician Minimum Standard (new standard)
Stakeholders: Battery and energy storage stakeholders, owners, developers, OEMs, contractors, independent service providers, and all other impacted stakeholders.

Project Need: To establish minimum knowledge and competencies for an individual with no work experience as a battery and energy storage (BESS) system technician across all platforms upon completion of an entry-level BESS educational program.

Interest Categories: Education/training, General, Independent service providers, owner/operator, Producer/OEM, SME/R&D/Consultant.

A competency standard to serve as the recommended curriculum for prospective or new battery energy storage system (BESS) technicians and to assist employers, workforce development and training professionals, academia, and others with the minimum educational and training-related requirements for entry-level BESS technicians. This standard will outline the minimum requirements for educational and training program's learning objectives, knowledge, and skills needed for an entry-level BESS technician position.

ADA (Organization) (American Dental Association)

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

Revision

BSR/ADA Standard No. 2000.7-202x, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.6-2022)

Stakeholders: Dental care providers, healthcare and research organizations, government agencies, dental schools and clinics, and dental benefit providers and organizations.

Project Need: SNODENT provides a needed standardized code set for the representation of clinical oral health descriptions captured by dentists that is interoperable across healthcare systems and with electronic health record systems.

Interest Categories: Consumer, General Interest, Producer, Government, Insurance

SNODENT is a clinical terminology designed for use with electronic health records that enables the capture and analysis of detailed oral health data, including oral anatomical sites, oral health conditions, findings and other clinical concepts unique to dentistry.

APA (APA - The Engineered Wood Association)

Borjen Yeh <borjen.yeh@apawood.org> | 7011 South 19th Street | Tacoma, WA 98466 www.apawood.org

Revision

BSR/APA PRP 210-2024, Standard for Performance Rated Engineered Wood Siding (revision of ANSI/APA PRP 210-2019)

Stakeholders: Engineered wood siding manufacturers, distributors, designers, users, building code regulators, and government agencies.

Project Need: Update the existing ANSI standard.

Interest Categories: Manufacturer, Supplier, User, and General Interest

This standard provides manufacturing qualification, and quality assurance requirements for engineered wood siding products made of veneer-based structural-use composites or laps with or without overlays on the faces.

ASTM (ASTM International)

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

National Adoption

BSR/ASTM ISO 22899 Part 1-202x, Determination of the resistance to jet fires of passive fire protection materials — Part 1: General requirements (identical national adoption of ISO 22899 Part 1)

Stakeholders: Fire Safety Professionals

Project Need: For acceptance and use by the United States markets, avoid duplication

Interest Categories: General interest, producer, user

This document describes a method of determining the resistance to jet fires of passive fire protection materials and systems. It gives an indication of how passive fire protection materials behave in a jet fire and provides performance data under the specified conditions

BHMA (Builders Hardware Manufacturers Association)

Michael Tierney <mtierney@kellencompany.com> | 17 Faulkner Drive | Niantic, CT 06357 www.buildershardware.com

Revision

BSR/BHMA A156.17-202x, Standard for Self Closing Hinges and Pivots (revision of ANSI/BHMA A156.17-2014 (R2019))

Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update

Interest Categories: General Interest, Government, Laboratory, Producer, User

This Standard establishes requirements for Self Closing Hinges & Pivots. Cycle tests, operational tests, material and dimensional requirements are included.

BHMA (Builders Hardware Manufacturers Association)

Michael Tierney <mtierney@kellencompany.com> | 17 Faulkner Drive | Niantic, CT 06357 www.buildershardware.com

Revision

BSR/BHMA A156.19-202x, Standard for Power Assist and Low Power Operated Swinging Doors (revision of ANSI/BHMA A156.19-2019)

Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update

Interest Categories: General Interest, User, Laboratory, Producer, Government

Requirements in this Standard apply only to swing door operators. The operator types are power assist, and low energy power operators, for pedestrian use, and some small vehicular use. It does not address doors, finish or hardware. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment. These products are intended to improve accessibility.

BHMA (Builders Hardware Manufacturers Association)

Michael Tierney <mtierney@kellencompany.com> | 17 Faulkner Drive | Niantic, CT 06357 www.buildershardware.com

Revision

BSR/BHMA A156.21-202x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2019)

Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update

Interest Categories: User, Government, General Interest, Laboratory, Producer

This Standard establishes requirements for thresholds. Types are described with identifying numbers. Strength tests, fastening systems, and gasketing tests are included.

BHMA (Builders Hardware Manufacturers Association)

Michael Tierney <mtierney@kellencompany.com> | 17 Faulkner Drive | Niantic, CT 06357 www.buildershardware.com

Revision

BSR/BHMA A156.38-202x, Standard for Low Energy Sliding and Folding Doors (revision of ANSI/BHMA A156.38-2019)
Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update

Interest Categories: General Interest, User, Laboratory, Producer, Government

Requirements in this Standard apply to low energy power operated sliding and folding door systems for pedestrian use and some small vehicular use. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment. These products are intended to improve accessibility.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA B100-202x, Hydrogen Compressors – Safety (new standard)

Stakeholders: Users, regulators, certification bodies, and manufacturers

Project Need: The development of this standard will support the safe deployment and the use of hydrogen compressors. This new standard will be a conformity assessment including the minimum safety design requirements hydrogen compressors.

Interest Categories: Users, regulators, certification bodies, and manufacturers

This Standard defines the minimum construction and safety requirements for hydrogen compressors. This Standard applies to newly manufactured equipment designed primarily to provide compressed hydrogen gas. Hydrogen compressor types covered by this Standard include, but are not limited to, reciprocating compressors, integrated combustion engines and compressor packages, and hydraulic intensifier compressors. This standard does not apply to: a) Vehicle Fueling Appliances for vehicular fuel applications (CSA HGV 5.1); or b) Compressor packages hydrogen dispensing stations (CSA HGV 4.8)

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA B101-202x, Hydrogen Gas Dryer – Safety (new standard)

Stakeholders: Users, regulators, certification bodies, and manufacturers

Project Need: The development of this standard will support the safe deployment and the use of hydrogen gas driers. This new standard will be a conformity assessment including the minimum safety design requirements for hydrogen gas dryers.

Interest Categories: Users, regulators, certification bodies, and manufacturers

This standard defines the minimum construction and safety requirements for a hydrogen gas dryer. This Standard applies to newly manufactured equipment designed primarily to remove water, oil, and particulate matter from a hydrogen gas stream. Hydrogen gas dryer types covered by this Standard include, but are not limited to, molecular sieve, catalysts (such as palladium), refrigerated type, or desiccant type.

CSA (CSA America Standards Inc.)

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

Revision

BSR/CSA HGV 4.3-202x, Test methods for hydrogen fuelling parameter evaluation (revision of ANSI/CSA HGV 4.3 -2022)

Stakeholders: Consumers, Manufacturers, Gas Suppliers, Automotive OEMs, Certification Agencies, Regulatory Authorities

Project Need: To update the current binational standard to a conformity assessment standard.

Interest Categories: Consumers, manufacturers, regulators, users

This Standard specifies the minimum testing requirements for verifying the fuelling protocols specified in SAE J2601 and the communications protocols in SAE J2799. This Standard applies to dispensing systems, referred to as dispensers in this Standard, designed to fill vehicle storage systems in accordance with SAE J2601. NOTE: The SAE J2601 fuelling protocols target rapid fills while respecting temperature, pressure, and fuel density safety limits. NOTE: This Standard is a minimum requirement. Manufacturers can take additional safety precautions.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA V102-202x, Multi-Fuel Vehicle Refuelling Stations (new standard)

Stakeholders: Manufacturer's, consumers, gas/energy suppliers, station owners, fleet managers, regulatory authorities, industry associations, consultants

Project Need: The transportation sector is experiencing significant growth in both vehicle technology and related energy and fuel type availability. With new vehicles and fuel types has come the demand for public and private multiple fuel refueling stations that maximize fuel offerings and minimize station footprint. Stakeholders, including station owners, fleet operators, and regulators have indicated the absence of comprehensive guidance on how to implement a multiple fuel refueling station in North America. As a result, stakeholders support the development of a new standard that outlines requirements and recommendations to support the deployment of multiple fuel refueling stations across North America.

Interest Categories: Gas/Energy Supplier, Producer Interest, General Interest, User Interest, Regulatory Authority

This standard specifies safety requirements for the design, installation and operation of multi-fuel vehicle refuelling stations, which would include traditional and alternative fuels (e.g., gasoline, diesel, propane, battery electric, compressed natural gas and gaseous/liquid hydrogen), and provides guidance on the approval process for the station. The standard will reference existing codes and standards where applicable and develop additional requirements to address gaps as needed, to allow for dispensing several different fuels at a single site. For example, references may include: NFPA 2, NFPA 30, NFPA 30A, NFPA 52, NFPA 58, NFPA 70

CTA (Consumer Technology Association)

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New Standard

BSR/CTA 2127-202x, Characteristics and Requirements for Consumer Pulse Oximetry Monitoring Solutions (new standard)

Stakeholders: Consumers, manufacturers and retailers

Project Need: Define terminology, establish minimum performance requirements for consumer pulse ox solutions, and provide transparency.

Interest Categories: General interest, producer, users

Specifies terminology and performance requirements related to the measurement of SpO2 in consumer devices.

ECIA (Electronic Components Industry Association)

Laura Donohoe <ldonohoe@ecianow.org> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 www.ecianow.org

Revision

BSR/EIA 225-B-202x, Rigid coaxial transmission lines 50 Ohms (revision and redesignation of ANSI/EIA 225-A-2018)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standard

Interest Categories: User, Producer, General Interest

This standard pertains exclusively to gas-filled rigid coaxial transmission lines and connectors. This standard does not apply to any semi-flexible transmission lines or connectors. This standard provides complete mechanical interchangeability for all lines and connectors. The drawings referred to in the standard do not restrict electrical design parameters; the drawings define the necessary mechanical limits necessary for mechanical interchangeability.

ECIA (Electronic Components Industry Association)

Laura Donohoe <ldonohoe@ecianow.org> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 www.ecianow.org

Revision

BSR/EIA 364-65C-202x, Mixed Flowing Gas Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-65B-2009 (R2020))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes the test procedure for producing environmentally related corrosive atmospheres to determine the reaction of plated or unplated surfaces when exposed to different concentrations of flowing gas mixtures.

ESTA (Entertainment Services and Technology Association)

Richard Nix <standards@esta.org> | 271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org

Revision

BSR/E1.56-202x, Rigging Support Points (revision of ANSI E1.56-2018)

Stakeholders: Entertainment technicians and other users, manufacturers, installers, performing artists, insurance companies, and event producers.

Project Need: ANSI E1.56-2018 is being revised to reflect minor updates in technology and to update its referenced standards versions, where applicable.

Interest Categories: Custom market producers, Designers, Dealer or rental companies, General interest, Mass market producers, Users.

This standard applies to stationary, permanently installed rigging points, attached to permanent facility structure. This standard provides minimum requirements for the design, fabrication, installation, inspection, and documentation of these rigging points for their use to support rigging loads.

HI (Hydraulic Institute)

Alexander Moser <amoser@pumps.org> | 300 Interpace Parkway, Building A, 3rd Floor, #280 | Parsippany, NJ 07054 www.pumps.org

New Standard

BSR/HI 9.7.4-202x, Pumps – Guideline for Vibration Troubleshooting and Corrective Actions (new standard)

Stakeholders: Pump manufacturers, consultants, specifiers, designers, purchasers, and end-users.

Project Need: To assist pump manufacturers, consultants, and end-users in accurately assessing and troubleshooting excessive vibration in both newly installed and existing pumping equipment, as well as to identify the necessary instrumentation and testing methods required to uncover root causes of the vibration. This guideline will provide content on diagnostic testing techniques and guide on how to analyze field data. Additionally, it will offer content on numerical analysis techniques to aid in diagnostics and the development of corrective action strategies. The guideline will also address symptoms of vibration and offer corrective action strategies.

Interest Categories: Interest categories will consist of: User Interest, Producer Interest, and General Interest.

The purpose of this guideline is to provide an informative methodology for pump manufacturers and end users to troubleshoot excessive vibration in newly installed and existing pumping equipment. The guideline aims to identify the sources of vibration and offer corrective action strategies to resolve these vibration issues. It will cover both rotodynamic and positive displacement pumps, as well as associated equipment.

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

Terry Burger <terry.burger@asse-plumbing.org> | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 <https://www.iapmostandards.org>

New Standard

BSR/IAPMO Z1398-202x, Recirculating Shower Systems (new standard)

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

Project Need: Use of this technology is increasing in the market place. Currently there are no performance/safety standards for these type of devices.

Interest Categories: Manufacturer, User, Installer/Maintainer, Research/Standards/Testing Laboratory, Enforcing Authority Consumer, General Interest

This Standard covers portable and stationary recirculating shower systems intended for new and retrofit residential, commercial, RV and trailer applications and specifies requirements for materials, physical characteristics, performance testing, and markings.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Christopher Merther <chris.merther@itsdf.org> | 1750 K Street NW, Suite 460 | Washington, DC 20006 www.indtrk.org

New Standard

BSR/ITSDF B56.11.9-202x, Fork Extensions for Powered Industrial Trucks (new standard)

Stakeholders: Users and manufacturers of powered industrial trucks and fork extensions.

Project Need: To create a single standard for fork extensions rather than including fork extension requirements in multiple standards.

Interest Categories: Manufacturers, users, general interest

This Standard specifies technical characteristics and strength requirements for fork extensions for powered industrial trucks.

PCI (Precast/Prestressed Concrete Institute)

Edith Gallandorm <egallandorm@pci.org> | 200 West Adams Street | Chicago, Illinois 60606-5230 www.pci.org

Revision

BSR/PCI 128-202x, Specification for Glass-Fiber-Reinforced Concrete Panels (revision of ANSI/PCI 128-2019)

Stakeholders: Precast concrete industry, design professionals, construction specifiers

Project Need: This update is for an document referenced in IBC and recognized as the standard for Glass-Fiber-Reinforced concrete panels.

Interest Categories: The consensus body will be made up of general interest, producer and user categories

This standard provides minimum requirements for the design, manufacture, and installation of glass-fiber-reinforced concrete (GFRC) panels. The primary emphasis is on thin-walled alkali-resistant (AR) GFRC architectural cladding panels with a steel-frame support structure made by the spray-up process in controlled factory conditions. This standard also includes minimum requirements for GFRC panels manufactured using the premix process in controlled factory conditions.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 215-1 202x, HEVC Video Constraints for Cable Television - Part 1: Coding (revision of ANSI/SCTE 215-1-2020)

Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology.

Interest Categories: Producer, User, General Interest

This document specifies the creation of a HEVC coded video elementary stream for SDR and HDR formats (specifically HDR10) and is intended for cable video services applications such as broadcast, time-shifting (e.g., PVR/DVR service), Video-on-Demand services, and splicing (e.g., Ad-insertion) that could employ the specifications in this document. This document defines the coding constraints on ITU-T Rec. H.265 | ISO/IEC 230008-2 [MPEG-HEVC] video compression (hereafter called "HEVC") for Cable Television. In particular, this document describes the coding of a single VVC coded video elementary stream in an SDR or HDR format carried in MPEG-2 transport (ISO/IEC 13818-1) [MPEG-2 TS] for linear delivery systems supporting ad insertion services [SCTE 35] or for adaptive bitrate streaming delivery technologies [SCTE 214-1]. Beyond linear delivery with DPI, signaling is provided for segmentation of content for xDVR applications.

ULSE (UL Standards & Engagement)

Megan Monsen <megan.monsen@ul.org> | 333 Pflingsten Road | Northbrook, IL 60062 <https://ulse.org/>

New Standard

BSR/UL 2252-202x, Standard for Safety for Adapters for use with Electric Vehicle Couplers (new standard)

Stakeholders: This standard will apply to a large cross section of groups and individuals. These specific individuals would include: producers, supply chain, trade associations, commercial/industrial users, regulators, and government.

Project Need: UL is seeking ANSI approval on a new standard, UL 2252.

Interest Categories: AHJ, Producer, Testing & Standards Organization, General, Supply Chain, and Government

This first issue of the Standard for Safety for Adapters for use with Electric Vehicle Couplers, UL 2252 covers adapters for conductive EV power transfer to the vehicle. The adapters are not used to convert voltages. These adapters are only used to convert the physical configuration of the interfaces and provide for continued communication protocols. The adapters covered by this standard are detailed in 1.2. Adapters covered by this standard include: (a) Adapters converting from one configuration to another where the communication protocol is the same between the infrastructure and the electric vehicle and additional functions may be provided; (b) Adapters converting from one configuration to another where the communication protocol is different between the infrastructure and the vehicle and the adapter provides a translation function and additional functions may be provided; and (c) Adapters that do not convert the configuration but provide additional functions that the infrastructure does not provide.

ULSE (UL Standards & Engagement)

Heather Sakellariou <Heather.Sakellariou@ul.org> | 333 Pfingsten Road | Northbrook, IL 60062-2096 <https://ulse.org/>

New Standard

BSR/UL 2941-202x, Standard for Safety for Cybersecurity of Distributed Energy and Inverter-Based Resources (new standard)

Stakeholders: Cybersecurity industry and related industry manufacturers

Project Need: To provide an ANSI approved standard, UL 2941, which provides the requirements for cyber security, which supports security in distributed energy and power inverters.

Interest Categories: Producers, Commercial/Industrial Users, Supply Chain, Government, General, International

This standard applies to cybersecurity evaluation for network connected inverter-based resources and parts of IBR systems that provide software-based and firmware-based controls, including, but not limited to such devices as inverters, monitoring, and controller devices. The standard describes the minimum cybersecurity requirements that IBR equipment shall support. The standard does not contain the methods of validation of these requirements.

VITA (VMEbus International Trade Association (VITA))

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

New Standard

BSR/VITA 90.7-202x, VNX+ Optical and Coax Apertures - Type 2 (new standard)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: Provide definitions for optical and coax apertures in VNX+ systems

Interest Categories: General interest, producers, users

This document defines an open standard for high density coaxial and optical interconnect within the structure of VITA 90.0 for VNX+ small form factor systems using NanoRF coaxial contacts. These connector modules support RF, video and optical signal applications. This standard enables 50 Ohm and 75 Ohm coaxial and optical signals to carry between modules and backplanes with rugged blind-mate connector modules that fit within VNX+ apertures.

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: September 17, 2023

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

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

Addenda

BSR/ASHRAE Addendum 62.2a-202x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022)

Standard 62.2 has recently revised the minimum filtration requirement. This proposed addendum simplifies the filtration credit available in Section 4.1.4, Ventilation-Rate Reduction for Particle Filtration. Currently this section allows a wide range of filter efficiencies to qualify. This addendum proposes to narrow that range and significantly simplify the section. Other than eliminating the credit for low-performing filters, this revision does not substantially change the effect of this section. New Section 7.6, Filtered Air Delivery Rate, establishes the minimum qualifying filter that is allowed to get credit for PM reductions. (A qualifying filter is roughly MERV 13 or better depending on which test method is used.) The section then calculates the particle reduction factor (PRF) resulting from the design of the system. The equation for PRF is based on the continuity equation (i.e., mass balance) with and without additional air cleaning; it assumes typical values for 62.2-compliant air change rates and particle deposition rates. New references are cited in this revision and those are listed to be added to Section 10.

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

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Comment Deadline: September 17, 2023

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

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

Addenda

BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)

This proposed addendum corrects values of conversion factors in Table 7-3 for use in the calculation of effective dispersal volume charge (EDVC) and adds equations to calculate conversion factors for other refrigerants not included in Table 7-3.

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

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i182r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

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

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

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

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i80r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

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

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

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

Comment Deadline: September 17, 2023

NSF (NSF International)

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

Revision

BSR/NSF 455-1-202x (i2r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

Definitions covered by this Standard consist of terminology related the NSF/ANSI 455 portfolio of Standards, including terms describing for dietary supplements, cosmetics/personal care products, over-the-counter drugs, and medical devices. This Standard includes common definitions of terms used throughout the NSF/ANSI 455 portfolio of Standards.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-1-202x (i4r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

Definitions covered by this standard consist of terminology related the NSF/ANSI 455 portfolio of standards, including terms describing for dietary supplements, cosmetics/personal care products, over-the-counter drugs, and medical devices. This standard includes common definitions of terms used throughout the NSF/ANSI 455 portfolio of standards.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-1-202x (i5r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

Definitions covered by this standard consist of terminology related the NSF/ANSI 455 portfolio of standards, including terms describing for dietary supplements, cosmetics/personal care products, over-the-counter drugs, and medical devices. This standard includes common definitions of terms used throughout the NSF/ANSI 455 portfolio of standards.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-1-202x (i7r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

Definitions covered by this standard consist of terminology related the NSF/ANSI 455 portfolio of standards, including terms describing for dietary supplements, cosmetics/personal care products, over-the-counter drugs, and medical devices. This standard includes common definitions of terms used throughout the NSF/ANSI 455 portfolio of standards.

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

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

Comment Deadline: September 17, 2023

PCI (Precast/Prestressed Concrete Institute)

200 West Adams Street, Chicago, Illinois 60606-5230 | egallandorm@pci.org, www.pci.org

New Standard

BSR/PCI 142-202x, Specification for Precast, Prestressed Concrete Piles (new standard)

There have been substantive changes to the draft of PCI 142 due to public comments. Changes are shown in redline/strikethrough format. Only these sections of the proposed document are available for public comment, as these are the only substantive changes since last public comment period. This standard governs the design and construction of precast, prestressed concrete piles used to support most types of structural systems. Although the vast majority of piles applications are expected to be building, bridge, or pier/wharf related, the provisions are also applicable to other structures.

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

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

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 222-I-202x, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures (revision and redesignation of ANSI/TIA 222-H-2017)

Create a new revision (Rev. I) to the TIA 222 standard to ensure conformity with referenced standards and consistency with findings within the wireless industry.

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

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 970-202x, Standard for Safety for Retail Fixtures and Merchandising Displays (revision of ANSI/UL 970-2022)

(1) Renaming of Appendix A to Annex; (2) Addition of ASTM E162 as an Allowed Test Method for Flammable Surfaces; (3) Modification to Display Mounting Test Requirements; (4) Addition of LVLE Strain Relief Exception; (5) Correction to Language in 83.7; (6) Correction to Measurements in Exception to 95.2.

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

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1026-202x, Standard for Safety for Electric Household Cooking Appliances (revision of ANSI/UL 1026-2021)

This proposal for UL 1026 covers: (2) Clarify Strain Relief Test Requirement.

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

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

Comment Deadline: October 2, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | tkim@aami.org, www.aami.org

National Adoption

BSR/AAMI/ISO 11140-6-202X, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers (identical national adoption of ISO 11140-6:2022)

This document specifies the performance requirements and test methods for hollow devices and porous devices as well as the chemical indicators and biological indicators that are utilized within these devices for testing a specific steam penetration performance of type B cycles and some type S cycles of small steam sterilizers according to EN 13060.

Single copy price: Free

Obtain an electronic copy from: tkim@aami.org

Send comments (copy psa@ansi.org) to: Thomas Kim, tkim@aami.org

AGA (ASC B109) (American Gas Association)

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

New Standard

BSR B109.5-202x, Self-Operated Diaphragm-Type Natural Gas Service Regulators for nominal pipe size up to and including 2 inches (50 mm) and inlet pressures up to 125 psig (861.6 kPa) with outlet pressure of 20 psig (138 kPa) or less not covered in ANSI B109.4 (new standard)

This standard shall apply to the minimum design, material, performance, and testing requirements of natural gas service regulators up and including to 2 inches (50 mm) not covered in ANSI B109.4 and inlet pressures up to 125 psig (861.8 kPa). These regulators are used to control the gas delivery pressure (also referred to as set pressure or P2) to pressures at 20 psig or less (138 kPa). This standard shall apply only to regulators manufactured after the approval date of this standard. This standard includes overpressure protection options including internal relief valves (IRVs), self-operated integral slam shut valves, integral monitors, and internal monitors.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/b109

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

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Revision

BSR/AGMA 2116-BXX-202x, Evaluation of Double Flank Testers for Radial Composite Measurement of Gears (revision of ANSI/AGMA 2116-A05 (R2017))

This standard provides evaluation methods for double flank testers used for radial composite measurement of gears.

Single copy price: \$230.00

Obtain an electronic copy from: tech@agma.org

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

Comment Deadline: October 2, 2023

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Revision

BSR/AGMA 6008-BXX-202x, Specifications for Powder Metallurgy Gears (revision of ANSI/AGMA 6008-A98 (R2017))

This standard describes the specification data required to adequately inform the producers of powder metallurgy gears about the gear design features desired by the purchaser.

Single copy price: \$270.00

Obtain an electronic copy from: tech@agma.org

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

ASA (ASC S1) (Acoustical Society of America)

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

Revision

BSR S1.42-202x, Design Response of Weighting Networks for Acoustical Measurements (revision of ANSI/ASA S1.42-2020)

This standard provides design information for the A-, B-, C-, D-, E-, G-, and U-weighting networks used for acoustical measurements. The analog poles and zeros for each weighting network are given, along with the equations for computing the magnitude and phase responses as functions of frequency. Coefficients and equations for computing the impulse and step responses of the A-, B-, C-, D-, and E-weighting networks as functions of time are provided in an informative annex. Information regarding digital implementation is also provided in an informative annex. Matlab scripts for the design of analog and digital implementations of the weighting networks described in this standard are also supplied.

Single copy price: \$143.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM E814-202x, Test Method for Fire Tests of Penetration Firestop Systems (revision of ANSI/ASTM E814-2023)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

Comment Deadline: October 2, 2023

BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | klor@boma.org, www.boma.org

Revision

BSR/BOMA Z65.01-202x, BOMA 2023 for Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2017)

The standard is used by building owners, managers, tenants, appraisers, architects, space planners, and building measurement professionals to establish floor area in Office Buildings. The BOMA Standard is considered the de facto building measurement standard in many real estate markets throughout North America and internationally. This 2023 standard further builds upon BOMA's legacy of standards by clarifying existing concepts, introducing new concepts, and improving the applicability and readability of the document. The primary objectives of this standard are: To promote an unambiguous framework for determining the areas of Office Buildings with a strong focus on Rentable Area calculations. To facilitate transparency and clear communication of building measurement concepts among all participants in the commercial real estate industry. To allow a comparison of values on the basis of a clearly understood and generally agreed upon method of measurement.

Single copy price: Free

Obtain an electronic copy from: education@boma.org

Send comments (copy psa@ansi.org) to: Kia Lor <klor@boma.org>

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

New Standard

BSR/EIA 717-B-202x, Surface Mount Niobium and Tantalum Capacitor Qualification Specification (new standard)

This specification defines the qualification program for surface mount tantalum and niobium capacitors. Table 2 lists the tests required. Specification sheets can be added, as required, to define specific products or to cover unique/specific requirements.

Single copy price: \$82.00

Obtain an electronic copy from: global.ihs.com

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

Home Innovation (Home Innovation Research Labs)

400 Prince George's Boulevard, Upper Marlboro, MD 20774-8731 | kkauffman@Homeinnovation.com, www.HomeInnovation.com

Revision

BSR/ICC 700-202x, National Green Building Standard (NGBS) (revision of ANSI/ICC 700-2020)

The provisions of this Standard shall apply to the design, construction, alteration, enlargement, and renovation of (1) all residential buildings, (2) residential portions of mixed-use buildings, or (3) mixed-use buildings where the residential portion is greater than 50% of the gross floor area. This Standard shall also apply to subdivisions, building sites, building lots, and accessory structures.

Single copy price: Free

Obtain an electronic copy from: www.HomeInnovation.com/NGBS

Send comments (copy psa@ansi.org) to: Public Comment form posted at www.HomeInnovation.com/NGBS

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 401-202x, Recommended Practice for the Prevention of Fires and Uncontrolled Chemical Reactions Associated with the Handling of Hazardous Waste (new standard)

This document applies to the generation, transport, treatment, storage, and disposal of hazardous waste at generator sites, during transportation, and once it reaches a treatment, storage, and disposal facility.

Obtain an electronic copy from: www.nfpa.org/401Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 31-202x, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2020)

This standard shall apply to the installation of stationary liquid fuel-burning appliances, including but not limited to industrial-, commercial-, and residential-type steam; hot water; or warm air heating appliances; domestic-type range burners; space heaters; and portable liquid fuel-burning equipment. This standard shall also apply to all accessories and control systems, whether electric, thermostatic, or mechanical, and all electrical wiring connected to liquid fuel-burning appliances. This standard shall also apply to the installation of liquid fuel storage and supply systems connected to liquid fuel-burning appliances. This standard shall also apply to those multifueled appliances in which a liquid fuel is one of the standard or optional fuels. This standard shall not apply to internal combustion engines, oil lamps, or portable devices not specifically covered in this standard. (See Chapter 11 for portable devices that are covered in this standard.) A. Examples of portable devices not covered by this standard are blowtorches, melting pots, and weed burners.

Obtain an electronic copy from: www.nfpa.org/31Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 33-202x, Standard for Spray Application Using Flammable or Combustible Materials (revision of ANSI/NFPA 33-2021)

The risk to life and property because of the fire and explosion hazards of spray application of flammable and combustible materials varies depending on the arrangement and operation of the particular process and on the nature of the material being sprayed. The principal hazards addressed in this standard are those of the materials being sprayed: flammable and combustible liquids and combustible powders, as well as their vapors, mists, and dusts, and the highly combustible deposits and residues that result from their use. Properly designed, constructed, and ventilated spray areas are able to confine and control combustible residues, dusts, or deposits and to remove vapors and mists from the spray area and discharge them to a safe location, thus reducing the likelihood of fire or explosion. Likewise, accumulations of overspray residues, some of which are not only highly combustible but also subject to spontaneous ignition, can be controlled. The control of sources of ignition in spray areas and in areas where flammable and combustible liquids or powders are handled, together with constant supervision and maintenance, is essential to safe spray application operations...

Obtain an electronic copy from: www.nfpa.org/33Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 34-202x, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids (revision of ANSI/NFPA 34-2021)

This standard shall apply to dipping, roll coating, flow coating, curtain coating, printing, cleaning, and similar processes, hereinafter referred to as “coating processes” or “processes,” in which articles or materials are passed through tanks, vats, or containers, or passed over rollers, drums, or other process equipment that contain flammable or combustible liquids. A. Where a requirement applies to a particular process, the name of that process will be stated. This standard shall also apply to cleaning processes that utilize a solvent vapor, such as vapor degreasing processes. This standard shall also apply to processes that use water-borne, water-based, and water-reducible materials that contain flammable or combustible liquids or that produce combustible deposits or residues. This standard shall not apply to processes that use only noncombustible liquids for processing and cleaning. This standard shall also not apply to processes that use only Class IIIB liquids for processing or cleaning, provided the liquids or mixtures thereof maintain their Class IIIB classification at their point of use. This standard shall not apply to processes that use a liquid that does not...

Obtain an electronic copy from: www.nfpa.org/34Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 36-202x, Standard for Solvent Extraction Plants (revision of ANSI/NFPA 36-2021)

This standard shall apply to the commercial scale extraction processing of animal and vegetable oils and fats by the use of Class I flammable hydrocarbon liquids, hereinafter referred to as “solvents.” A. Extraction processes that use flammable liquids but are not within the scope of NFPA 36 might be within the scope of NFPA 30, Flammable and Combustible Liquids Code, and the user is referred to that document for guidance. (See Chapter 3 for definitions of terms, including “extraction process” and “solvent.”) This standard shall also apply to any equipment and buildings that are located within 30 m (100 ft) of the extraction process. This standard shall also apply to the unloading, storage, and handling of solvents, regardless of distance from the extraction process. This standard shall also apply to the means by which material to be extracted is conveyed from the preparation process to the extraction process. This standard shall also apply to the means by which extracted desolventized solids and oils are conveyed from the extraction process. This standard shall also apply to preparation and meal finishing processes that are...

Obtain an electronic copy from: www.nfpa.org/36Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 37-202x, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines (revision of ANSI/NFPA 37-2021)

This standard establishes criteria for minimizing the hazards of fire during the installation and operation of stationary combustion engines and gas turbines.

Obtain an electronic copy from: www.nfpa.org/37Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 75-202x, Standard for the Fire Protection of Information Technology Equipment (revision of ANSI/NFPA 75-2020)

This standard covers the requirements for the protection of information technology equipment (ITE) and ITE areas.

Obtain an electronic copy from: www.nfpa.org/75Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 79-202x, Electrical Standard for Industrial Machinery (revision of ANSI/NFPA 79-2021)

In this standard, the term “electrical” includes both electrical and electronic equipment. Requirements that apply only to electronic equipment are so identified. The general terms “machine” and “machinery” as used throughout this standard mean industrial machinery. See Annex C for examples of industrial machines covered by this standard. The publications referenced throughout Annex A are listed in Annex J with their appropriate dates of issue. The provisions of this standard shall apply to the electrical/electronic equipment, apparatus, or systems of industrial machines operating from a nominal voltage of 600 volts or less, and commencing at the point of connection of the supply to the electrical equipment of the machine. This standard does not include the additional requirements for machines intended for use in hazardous (classified) locations. A. For additional requirements for machines intended to be used in hazardous (classified) areas, see NFPA 70, Article 500.

Obtain an electronic copy from: www.nfpa.org/79Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 82-202x, Standard on Incinerators and Waste and Linen Handling Systems and Equipment (revision of ANSI/NFPA 82-2019)

This standard covers requirements for the installation, maintenance, and use of waste and recyclables storage rooms, containers, handling systems, incinerators, compactors, and linen and laundry handling systems. This standard does not include design criteria for the purpose of reducing air pollution. For such criteria, consult the authorities having jurisdiction. The requirements in this standard shall not apply to one- or two-family residential structures.

Obtain an electronic copy from: www.nfpa.org/82Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 92-202x, Standard for Smoke Control Systems (revision of ANSI/NFPA 92-2021)

This standard shall apply to the design, installation, acceptance testing, operation, and ongoing periodic testing of smoke control systems. This standard incorporates methods for applying engineering calculations and reference models to provide a designer with the tools to develop smoke control system designs. The designs are based on select design objectives presented in Section 4.1. This standard addresses the following topics: (1) Basic physics of smoke movement in indoor spaces; (2) Methods of smoke control; (3) Supporting data and technology; (4) Building equipment and controls applicable to smoke control systems; (5) Approaches to testing and maintenance methods. This standard does not address the interaction of sprinklers and smoke control systems. The cooling effect of sprinklers can result in some of the smoke losing buoyancy and migrating downward below the design smoke layer interface. This standard also does not provide methodologies to assess the effects of smoke exposure on people, property, or mission continuity.

Obtain an electronic copy from: www.nfpa.org/92Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 204-202x, Standard for Smoke and Heat Venting (revision of ANSI/NFPA 204-2021)

This standard shall apply to the design of venting systems for the emergency venting of products of combustion from fires in buildings. The provisions of Chapters 4 through 10 shall apply to the design of venting systems for the emergency venting of products of combustion from fires in nonsprinklered, single-story buildings using both hand calculations and computer-based solution methods as provided in Chapter 9. Chapter 11 shall apply to venting in sprinklered buildings. A. This standard incorporates engineering equations (hand calculations) and references models to provide a designer with the tools to develop vent system designs. The designs are based on selected design objectives, stated in 4.4.1, related to specific building and occupancy conditions. Engineering equations are included for calculating vent flows, smoke layer depths, and smoke layer temperatures, based on a prescribed burning rate. Examples using the hand calculations and the LAVENT (Link-Actuated VENTs) computer model are presented in Annex D. Previous editions of this document have included tables listing vent areas based on preselected design objectives. These tables...

Obtain an electronic copy from: www.nfpa.org/204Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 285-202x, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2023)

1.1 Scope. This standard provides a test method for determining the fire propagation characteristics of exterior wall assemblies that are constructed using combustible materials or that incorporate combustible components. The fire propagation characteristics are determined for post-flashover fires of interior origin.

Obtain an electronic copy from: www.nfpa.org/285Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 410-202x, Standard on Aircraft Maintenance (revision of ANSI/NFPA 410-2020)

The scope of this standard is as follows: (1) This standard covers the minimum requirements for fire safety to be followed during aircraft maintenance and does not include the health and safety requirements for personnel involved in aircraft maintenance. (2) The operations covered include the following: (a) Maintenance of electrical systems; (b) Maintenance of oxygen systems; (c) Fuel tank repairing, cleaning, painting, and paint removal; (d) Welding operations in hangars; (e) Interior cleaning; (f) Refurbishing operations; (3) This standard also covers requirements for fire protection of aircraft ramp areas.

Obtain an electronic copy from: www.nfpa.org/410Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 501A-202x, Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities (revision of ANSI/NFPA 501A-2021)

This standard shall cover fire safety requirements for the installation of manufactured homes and manufactured home sites, including accessory buildings, structures, and communities.

Obtain an electronic copy from: www.nfpa.org/501aNext

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 600-202x, Standard on Facility Fire Brigades (revision of ANSI/NFPA 600-2020)

A major concern of industrial fire protection professionals is the protection of employees and property from the threat of fire in the workplace. In 1980, the Occupational Safety and Health Administration (OSHA) defined its requirements for industrial fire brigades. These requirements apply to industrial fire brigades once corporate or local management, in the role as an authority having jurisdiction, has determined that they want an industrial fire brigade at a facility. In OSHA, 29 CFR 1910.156, Subpart L, two types of industrial fire brigades are defined in an attempt to establish levels of industrial fire brigade function and to identify the training and safety requirements for each of those levels. Industrial fire protection professionals have wrestled with categorizing every existing industrial fire brigade into either the incipient stage category or the interior structural category. In attempting to develop a state-of-the-art industrial fire brigade standard, the Technical Committee on Loss Prevention Procedures and Practices has followed OSHA's lead in setting requirements based on the incipient and interior structural industrial fire brigade definitions. The adoption of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, by the NFPA in 1987 brought about an entirely new perspective...

Obtain an electronic copy from: www.nfpa.org/600Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 601-202x, Standard for Security Services in Fire Loss Prevention (revision of ANSI/NFPA 601-2020)
This standard shall apply to the selection, requirements, duties, and training of security personnel who will perform fire loss prevention duties. It shall cover the following three categories of security services: (1) Protection of the property, including times when management is not present; (2) Access and egress control into and within the confines of the protected property; (3) Carrying out procedures for the orderly conduct of various operations at the property.

Obtain an electronic copy from: www.nfpa.org/601Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 909-202x, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2021)

This code describes principles and practices of protection for cultural resource properties (including, but not limited to, museums, libraries, and places of worship), their contents, and collections, against conditions or physical situations with the potential to cause damage or loss. This code covers ongoing operations and rehabilitation and acknowledges the need to preserve culturally significant and character-defining building features and sensitive, often irreplaceable, collections and to provide continuity of operations. Principles and practices for life safety in cultural resource properties are outside the scope of this code. Where this code includes provisions for maintaining means of egress and controlling occupant load, it is to facilitate the evacuation of items of cultural significance, allow access for damage limitation teams in an emergency, and prevent damage to collections through overcrowding or as an unintended consequence of an emergency evacuation. A. Cultural resource properties should comply with the provisions of NFPA 101, Life Safety Code. Library and museum collections that are privately owned and not open to the public shall not be required to meet the requirements of this code.

Obtain an electronic copy from: www.nfpa.org/909Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1580-202x, Standard for Emergency Responder Occupational Health and Wellness (revision, redesignation and consolidation of NFPA 1581, NFPA 1582, NFPA 1583 and NFPA 1584)

1.1 Scope. This standard contains minimum requirements for a fire department infection control program; descriptive requirements for a comprehensive occupational medical program for fire departments; establishes the minimum requirements for the development, implementation, and management of a health-related fitness program (HRFP) for members of the fire department involved in emergency operations; and establishes the minimum criteria for developing and implementing processes for member prehabilitation, contamination control, rehabilitation, and recovery from incident scene operations and training exercises.

Obtain an electronic copy from: www.nfpa.org/1580Next

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

Comment Deadline: October 2, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1960-202x, Standard for Fire Hose Connections, Spray Nozzles, Manufacturers Design of Fire Department Ground Ladders, Fire Hose, and Powered Rescue Tools (revision, redesignation and consolidation of NFPA 1931, NFPA 1936, NFPA 1961, NFPA 1963 and NFPA 1964)

1.1 Scope. This standard defines the performance and requirements for new fire hose couplings and adapters with nominal sizes from 3/4 in. (19 mm) through 8 in. (200 mm) and the specifications for the screw thread connections on those couplings and adapters. This standard specifies the requirements for new adjustable-pattern spray nozzles intended for general firefighting use; for marine and offshore platform firefighting use; for use with fire hoses affixed to standpipe systems; and for fire hose appliances up to and including 6 in. (150 mm) nominal dimension designed for connection to fire hose, fire apparatus, and fire hydrants intended for general fire service use in controlling or conveying water. This standard also specifies the requirements for the design of fire department ground ladders and the design verification tests to be conducted by the ground ladder manufacturer; the design and construction requirements for new fire hose and the testing to verify the design and construction as well as the inspection and testing of all new fire hose; the minimum requirements for the design, performance, testing, and product conformance verification of powered rescue tools and components; the requirements for spreader, ram, cutter, and combination powered rescue tools; and the...

Obtain an electronic copy from: www.nfpa.org/1960Next

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 2010-202x, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2020)

This standard contains the requirements for the design, installation, operation, testing, and maintenance of condensed and dispersed aerosol fire-extinguishing systems for total flooding applications. This standard also covers performance requirements and methods of testing for condensed aerosol systems, dispersed aerosol systems, and associated components.

Obtain an electronic copy from: www.nfpa.org/2010Next

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

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i167r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

This standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

Single copy price: Free

Obtain an electronic copy from: [https://standards.nsf.org/higherlogic/ws/public/document?](https://standards.nsf.org/higherlogic/ws/public/document?document_id=69959&wg_id=c08c82a5-9ad4-4de3-927f-018976f8aafc)

[document_id=69959&wg_id=c08c82a5-9ad4-4de3-927f-018976f8aafc](https://standards.nsf.org/higherlogic/ws/public/document?document_id=69959&wg_id=c08c82a5-9ad4-4de3-927f-018976f8aafc)

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

Comment Deadline: October 2, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 268-202x, Standard for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2023)

1.1 This Standard sets forth requirements for smoke detectors and accessories, including mechanical guards to be employed in ordinary indoor locations in accordance with the following: (a) In Canada only: (1) Standard for the Installation of Fire Alarm Systems, ULC-S524; (2) National Building Code of Canada; and (3) National Fire Code of Canada. (b) In the United States only: (1) National Fire Alarm and Signaling Code, NFPA 72.

Single copy price: Free

Obtain an electronic copy from: csds.ul.com

Send comments (copy psa@ansi.org) to: csds.ul.com

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1180-202x, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2021)

This proposal covers: (1) Labeling requirements for UL 1180 inflatables.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Julio.Morales@UL.org, <https://ulse.org/>

Revision

BSR/UL 1786-202x, Standard for Safety for Direct Plug-in Nightlights (revision of ANSI/UL 1786-2021)

This proposal for UL 1786 covers: (1) Non-replaceable LED light sources shaped like filament lamps; (2) Nightlights with integral USB ports; (3) Nightlights with Rechargeable Batteries.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

Comment Deadline: October 17, 2023

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-1:2023 [202x], Information technology - Database languages SQL - Part 1: Framework (SQL/Framework) (identical national adoption of ISO/IEC 9075-1:2023 and revision of INCITS/ISO/IEC 9075-1:2016 [R2022])

Describes the conceptual framework used in other parts of the ISO/IEC 9075 series to specify the grammar of SQL and the result of processing statements in that language by an SQL-implementation. This document also defines terms and notation used in the other parts of the ISO/IEC 9075 series.

Single copy price: \$237.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-2:2023 [202x], Information technology - Database languages SQL - Part 2: Foundation (SQL/Foundation) (identical national adoption of ISO/IEC 9075-2:2023 and revision of INCITS/ISO/IEC 9075-2:2016 [R2022])

Defines the data structures and basic operations on SQL-data. It provides functional capabilities for creating, accessing, maintaining, controlling, and protecting SQL-data.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-3:2023 [202x], Information technology - Database languages SQL - Part 3: Call-Level Interface (SQL/CLI) (identical national adoption of ISO/IEC 9075-3:2023 and revision of INCITS/ISO/IEC 9075-3:2016 [2018])

Defines the structures and procedures that can be used to execute statements of the database language SQL from within an application written in a programming language in such a way that procedures used are independent of the SQL statements to be executed.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: October 17, 2023

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

National Adoption

BSR/INCITS/ISO/IEC 9075-4:2023 [202x], Information technology - Database languages SQL - Part 4: Persistent stored modules (SQL/PSM) (identical national adoption of ISO/IEC 9075-4:2023 and revision of INCITS/ISO/IEC 9075-4:2016 [R2022])

Specifies the syntax and semantics of a database language for declaring and maintaining persistent database language routines in SQL-server modules. The database language for s and s includes: the specification of statements to direct the flow of control, the assignment of the result of expressions to variables and parameters. The specification of condition handlers that allow SQL-invoked routines to deal with various conditions that arise during their execution.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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

National Adoption

BSR/INCITS/ISO/IEC 9075-9:2023 [202x], Information technology - Database languages SQL - Part 9: Management of External Data (SQL/MED) (identical national adoption of ISO/IEC 9075-9:2023 and revision of INCITS/ISO/IEC 9075-9:2016 [R2022])

Defines extensions to Database Language SQL to support management of external data through the use of foreign-data wrappers and datalink types.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

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National Adoption

BSR/INCITS/ISO/IEC 9075-10:2023 [202x], Information technology - Database languages SQL - Part 10: Object language bindings (SQL/OLB) (identical national adoption of ISO/IEC 9075-10:2023 and revision of INCITS/ISO/IEC 9075-10:2016 [R2022])

Specifies embedded SQL for the programming languages: Ada, C, COBOL, Fortran, MUMPS, Pascal, and PL/I. ISO/IEC 9075-10:2016 defines similar features of Database language SQL that support embedding of SQL-statements into programs written in the Java™ programming language (Java is a registered trademark of Sun Microsystems, Inc.). The embedding of SQL into Java is commonly known as "SQLJ".

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: October 17, 2023

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-11:2023 [202x], Information technology - Database languages SQL - Part 11: Information and definition schemas (SQL/Schemata) (identical national adoption of ISO/IEC 9075-11:2023 and revision of INCITS/ISO/IEC 9075-11:2016 [R2022])

Specifies an Information Schema and a Definition Schema that describes the structure and integrity constraints of SQL-data, the security and authorization specifications relating to SQL-data, the features and subfeatures of the ISO/IEC 9075 series, and the support that each of these has in an SQL-implementation, the SQL-implementation information and sizing items of the ISO/IEC 9075 series and the values supported by an SQL-implementation.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-13:2023 [202x], Information technology - Database languages SQL - Part 13: SQL Routines and types using the Java™ programming language (SQL/JRT) (identical national adoption of ISO/IEC 9075-13:2023 and revision of INCITS/ISO/IEC 9075-13:2016 [R2022])

Specifies the ability to invoke static methods written in the Java™ programming language as SQL-invoked routines and to use classes defined in the Java programming language as SQL structured user-defined types. (Java is a registered trademark of Oracle Corporation and/or its affiliates.)

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-14:2023 [202x], Information technology - Database languages SQL - Part 14: XML-Related Specifications (SQL/XML) (identical national adoption of ISO/IEC 9075-14:2023 and revision of INCITS/ISO/IEC 9075-14:2016 [R2022])

Defines ways in which Database Language SQL can be used in conjunction with XML.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: October 17, 2023

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-15:2023 [202x], Information technology - Database languages SQL - Part 15:

Multidimensional arrays (SQL/MDA) (identical national adoption of ISO/IEC 9075-15:2023)

Defines ways in which Database Language SQL can be used in conjunction with multidimensional arrays.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 9075-16:2023 [202x], Information technology - Database languages SQL - Part 16: Property

Graph Queries (SQL/PGQ) (identical national adoption of ISO/IEC 9075-16:2023)

Defines ways for the SQL language to represent property graphs and to interact with them.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

BSR/INCITS/ISO/IEC 19794-7:2021 [202x], Information technology - Biometric data interchange formats - Part 7:

Signature/sign time series data (identical national adoption of ISO/IEC 19794-7:2021 and revision of

INCITS/ISO/IEC 19794-7:2014 [R2019])

Specifies data interchange formats for signature/sign behavioural data captured in the form of a multi-dimensional time series using devices such as digitizing tablets or advanced pen systems. The data interchange formats are generic, in that they can be applied and used in a wide range of application areas where handwritten signs or signatures are involved. No application-specific requirements or features are addressed in this document.

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: October 17, 2023

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

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

National Adoption

BSR/INCITS/ISO/IEC 27036-3:2023 [202x], Cybersecurity - Supplier relationships - Part 3: Guidelines for hardware, software, and services supply chain security (identical national adoption of ISO/IEC 27036-3:2013 and revision of INCITS/ISO/IEC 27036-3:2013 [2019])

Provides guidance for product and service acquirers, as well as suppliers of hardware, software, and services.

Single copy price: \$183.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 12402-5-202x, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2022)

This proposal covers: (1) Optional child marking on label.

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-4-7-202x, Standard for Electric Moter Operated Hand-Held Tools, Transportable Tools and Lawn and Gerden Machinery - Safety - Part 4-7: Particular Requirements for Pedestrian Controlled Walk-Behind Lawn Scarifiers and Aerators (identical national adoption of IEC 62841-4-7)

Proposed adoption of the First Edition of IEC 62841-4-7, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators as the First Edition of UL 62841-4-7 including IEC-4-7:2022/COR1.

Single copy price: Free

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

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

Comment Deadline: October 17, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 827-202x, Standard for Central-Station Alarm Services (revision of ANSI/UL 827-2023)

These requirements apply to: (a) Central-stations providing Central-Station Fire-Alarm Service and that may monitor Remote Supervising Station System type fire-alarm systems (OBJ2) as described in the National Fire Alarm and Signaling Code, NFPA 72; (b) Central-station burglar-alarm systems intended and specifically designated for burglary protection use at mercantile and banking premises, on mercantile safes and vaults, and on bank safes and vaults; (c) Central-stations that monitor burglar-alarm systems that are not central-station burglar-alarm-type as defined by this Standards, (OBJ3); (d) Residential monitoring stations monitoring residential alarm systems; (e) Redundant sites; and (f) Remote signal management centers.

Single copy price: Free

Order from: csds.ul.com

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

ASSP (Safety) (American Society of Safety Professionals)

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

New Technical Report

ASSP TR-Z590.6, Guidance of Personal Protective Equipment for Women (technical report)

The objective of this technical report is to provide guidance for the selection, fit, and use of personal protective equipment (PPE) for women. This technical report introduces the state of available PPE in women's sizing, anthropometric data based on women's bodies, the consequences of ill-fitting PPE, and the benefits of properly selected and fit PPE.

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

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:

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/E1.74-202x, Guidance on ventilation for indoor stages and motion picture studios (new standard)

Send comments (copy psa@ansi.org) to: Karl Ruling <standards@esta.org>

Project Withdrawn

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

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

BSR/ASSE 1370-202x, Performance Requirements for Point of Entry Regenerable Well Water Filtration Systems (new standard)

Send comments (copy psa@ansi.org) to: Terry Burger <terry.burger@asse-plumbing.org>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

ANSI/NEMA SG-IC 1-2013, Smart Grid Interoperable & Conformant (SG-IC) Testing and Certification Scheme Operator Guidelines (new standard)

Send comments (copy psa@ansi.org) to: Brian Marchionini <brian.marchionini@nema.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

ANSI/BHMA A156.34-2019, Standard for Bored Locks And Mortise Locks With Ligature Resistant Trim (revision of ANSI/BHMA A156.34-2016)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Michael Tierney <mtierney@kellencompany.com>

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.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | cmaguwah@aami.org, www.aami.org

ANSI/AAMI/ISO 10993-11-2017 (R2023), Biological Evaluation of Medical Devices - Part 11: Tests for Systematic Toxicity (reaffirm a national adoption ANSI/AAMI/ISO 10993-11-2017) Final Action Date: 8/10/2023 | *Reaffirmation*

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

ANSI GPTC Z380.1-2022, Addendum No. 3, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022) Final Action Date: 8/11/2023 | *Addenda*

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 820-2023 (SI/I-P), Performance Rating of Ice Storage Bins (new standard) Final Action Date: 8/10/2023 | *New Standard*

ANSI/AHRI Standard 1300-2013 (R2023) (I-P), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1300 (I-P)-2013) Final Action Date: 8/7/2023 | *Reaffirmation*

ANSI/AHRI Standard 1301-2013 (R2023) (SI), Performance Rating of Commercial Heat Pump Water Heaters (reaffirmation of ANSI/AHRI Standard 1301 (SI)-2013) Final Action Date: 8/7/2023 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASAE S319.5-AUG2023, Method of Determining and Expressing Fineness of Feed Materials by Sieving (revision and redesignation of ANSI/ASAE S319.4-2008 (R2022)) Final Action Date: 8/7/2023 | *Revision*

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

ANSI X9.124-1-2023, Symmetric Key Cryptography for the Financial Services Industry Format Preserving Encryption - Part 1: Definitions and Mode (revision of ANSI X9.124-1-2020) Final Action Date: 8/8/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E814-2023, Test Method for Fire Tests of Penetration Firestop Systems (revision of ANSI/ASTM E814-2013 (R2017)) Final Action Date: 6/20/2023 | *Revision*

ANSI/ASTM E1302-2023, Guide for Acute Animal Toxicity Testing of Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E1302-2013 (R2017)) Final Action Date: 6/20/2023 | *Revision*

ANSI/ASTM E1386-2023, Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction (revision of ANSI/ASTM E1386-2015) Final Action Date: 8/1/2023 | *Revision*

ANSI/ASTM E1497-2023, Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids (revision of ANSI/ASTM E1497-2017) Final Action Date: 6/20/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E2837-2023, Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies (revision of ANSI/ASTM E2837-2013 (R2017)) Final Action Date: 7/1/2023 | *Revision*

ANSI/ASTM E3295-2023, Guide for Using Micro X-Ray Fluorescence (-XRF) in Forensic Polymer Examinations (revision of ANSI/ASTM E3295-2023) Final Action Date: 8/1/2023 | *Revision*

ANSI/ASTM F438-2023, Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM F438-2017a) Final Action Date: 6/20/2023 | *Revision*

ANSI/ASTM F963-2023, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2017) Final Action Date: 8/1/2023 | *Revision*

ANSI/ASTM F3124-2023, Practice for Data Recording the Procedure used to Produce Heat Butt Fusion Joints in Plastic Piping Systems or Fittings (revision of ANSI/ASTM F3124-2017) Final Action Date: 8/1/2023 | *Revision*

AWS (American Welding Society)

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

ANSI/AWS B2.1-1/8-231-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309(L), and E309(L)-XX, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231:2015) Final Action Date: 8/14/2023 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA HGV 4.5-2023, Priority and sequencing equipment for hydrogen fuelling stations (new standard) Final Action Date: 8/14/2023 | *New Standard*

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 456-A-2023, Metallized Film Dielectric Capacitors for Alternating Current Application (new standard) Final Action Date: 8/8/2023 | *New Standard*

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | asisto@pumps.org, www.pumps.org

ANSI/HI 7.1-7.5-2023, Controlled Volume Metering Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 7.1-7.5-2017) Final Action Date: 8/10/2023 | *Revision*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 4-2024, Standard for Integrated Fire Protection and Life Safety System Testing (revision of ANSI/NFPA 4-2021) Final Action Date: 8/10/2023 | *Revision*

ANSI/NFPA 45-2024, Standard on Fire Protection for Laboratories Using Chemicals (revision of ANSI/NFPA 45-2019) Final Action Date: 8/10/2023 | *Revision*

ANSI/NFPA 140-2024, Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations (revision of ANSI/NFPA 140-2018) Final Action Date: 8/10/2023 | *Revision*

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

ANSI/SCTE 281-1-2023, VVC Video Constraints for Cable Television: Part 1 - Coding (new standard) Final Action Date: 8/10/2023 | *New Standard*

ANSI/SCTE 281-2-2023, VVC Video Constraints for Cable Television: Part 2 - Transport (new standard) Final Action Date: 8/10/2023 | *New Standard*

ANSI/SCTE 282-2023, Implementing Inside Plant Network Platform Hot Standby Powering (new standard) Final Action Date: 8/10/2023 | *New Standard*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 621.1-2023, IEC 61755-1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 1: Optical interfaces for dispersion unshifted fibres - General and guidance (identical national adoption of IEC 61755-1) Final Action Date: 8/14/2023 | *National Adoption*

ANSI/TIA 622.1-2023, IEC 61755-2-1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-1: Connection parameters of dispersion unshifted physically contacting fibres - Non-angled (identical national adoption of IEC 61755-2-1) Final Action Date: 8/14/2023 | *National Adoption*

ANSI/TIA 622.2-2023, IEC 61755-2-2: Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-2: Connection parameters of dispersion unshifted physically contacting fibres - Angled (identical national adoption of IEC 61755-2-2) Final Action Date: 8/14/2023 | *National Adoption*

ULSE (UL Standards & Engagement)

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

ANSI/UL 2930-2023, Standard for Cord-and-Plug-Connected Health Care Facility Outlet Assemblies (new standard) Final Action Date: 8/11/2023 | *New Standard*

ANSI/UL 252-2023, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2022) Final Action Date: 8/11/2023 | *Revision*

ANSI/UL 867-2023, Standard for Safety for Electrostatic Air Cleaners (revision of ANSI/UL 867-2021) Final Action Date: 8/11/2023 | *Revision*

ANSI/UL 1063-2023, Standard for Safety for Machine-Tool Wires and Cables (revision of ANSI/UL 1063-2020) Final Action Date: 8/2/2023 | *Revision*

ANSI/UL 1740-2023, Standard for Safety for Robots and Robotic Equipment (revision of ANSI/UL 1740-2020) Final Action Date: 8/11/2023 | *Revision*

ANSI/UL 2238-2023, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal (revision of ANSI/UL 2238-2022) Final Action Date: 8/11/2023 | *Revision*

ANSI/UL 2388-2023, Standard for Safety for Flexible Lighting Products (revision of ANSI/UL 2388-2017 (R2022)) Final Action Date: 8/7/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested 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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

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.

ANSI Accredited Standards Developer

CTA - Consumer Technology Association

CTA 2127 and R11 Health Fitness & Wellness Committee

CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2127 Characteristics and Requirements for Consumer Pulse Oximetry Monitoring Solutions. CTA and the R11 Health Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

For inquiries please contact: Kerri Haresign, Consumer Technology Association (CTA) | 1919 South Eads Street, Arlington, VA 22202 | (703) 907-5267, KHaresign@cta.tech

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2021_04 - Information Exchange for Human Service (IX4HS)

DirectTrust is seeking members for the DS2021_04 - Information Exchange for Human Service (IX4HS) consensus body for proposed American National Standards (ANSs). The Information Exchange for Human Services (IX4HS) project will evaluate and identify existing and developing standards (such as the Direct Standard™), or create new standards or profiles as needed, for the secure communication of sensitive information between healthcare settings and Human Services organizations as well as between Human Services organizations for the purposes of endpoint discovery, referral, information exchange, information requests, and care coordination.

This consensus body is currently seeking voting members in the following categories:

- Consumer Sector
- Government Sector
- Information Technology Sector
- Social Care Sector
- Payer Sector

If you are interested in joining the DS2021_04- Information Exchange for Human Service (IX4HS) Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

Call for Members: DS2019_02 – Trusted Instant Messaging (TIM+)

Are you interested in contributing to the development and maintenance of the Direct Standard® to enable the exchange of authenticated, encrypted health information to known trusted recipients?

If you are interested in joining the DS2019_02 – Trusted Instant Messaging (TIM+) Consensus Body, contact Standards@DirectTrust.org.

- Consumer Sector
- Government Sector
- Information Technology Sector
- Social Care Sector
- Payer Sector
- Healthcare Sector

If you are interested in joining the DS2019_02 – Trusted Instant Messaging (TIM+) Consensus Body, contact Standards@DirectTrust.org.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | cmaguwah@aami.org, www.aami.org

BSR/AAMI/ISO 10993-17-202x, Biological evaluation of medical devices - Part 17: Toxicological risk assessment of medical device constituents (identical national adoption of ISO 10993-17 (under publication stage) and revision of ANSI/AAMI/ISO 10993-17-2002 (R2012))

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | tkim@aami.org, www.aami.org

BSR/AAMI/ISO 11140-6-202X, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers (identical national adoption of ISO 11140-6:2022)

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP 6000-1-202x, Solar Photovoltaic (PV) Workforce Definitions Standard (new standard)

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP 6000-2-202x, Solar Photovoltaic (PV) Energy Entry-level Technician Minimum Standard (new standard)

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP 7000-1-202x, Battery and Energy Storage System (BESS) Workforce Definitions Standard (new standard)

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP 7000-2-202x, Battery and Energy Storage System (BESS) Technician Minimum Standard (new standard)

AGA (ASC B109) (American Gas Association)

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

BSR B109.5-202x, Self-Operated Diaphragm-Type Natural Gas Service Regulators for nominal pipe size up to and including 2 inches (50 mm) and inlet pressures up to 125 psig (861.6 kPa) with outlet pressure of 20 psig (138 kPa) or less not covered in ANSI B109.4 (new standard)

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

BSR/AGMA 2116-BXX-202x, Evaluation of Double Flank Testers for Radial Composite Measurement of Gears (revision of ANSI/AGMA 2116-A05 (R2017))

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

BSR/AGMA 6008-BXX-202x, Specifications for Powder Metallurgy Gears (revision of ANSI/AGMA 6008-A98 (R2017))

APA (APA - The Engineered Wood Association)

7011 South 19th Street, Tacoma, WA 98466 | borjen.yeh@apawood.org, www.apawood.org

BSR/APA PRP 210-2024, Standard for Performance Rated Engineered Wood Siding (revision of ANSI/APA PRP 210-2019)

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.17-202x, Standard for Self Closing Hinges and Pivots (revision of ANSI/BHMA A156.17-2014 (R2019))

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.19-202x, Standard for Power Assist and Low Power Operated Swinging Doors (revision of ANSI/BHMA A156.19-2019)

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.21-202x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2019)

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.38-202x, Standard for Low Energy Sliding and Folding Doors (revision of ANSI/BHMA A156.38-2019)

BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | klor@boma.org, www.boma.org

BSR/BOMA Z65.01-202x, BOMA 2023 for Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2017)

CTA (Consumer Technology Association)

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

BSR/CTA 2127-202x, Characteristics and Requirements for Consumer Pulse Oximetry Monitoring Solutions (new standard)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 225-B-202x, Rigid coaxial transmission lines 50 Ohms (revision and redesignation of ANSI/EIA 225-A-2018)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-65C-202x, Mixed Flowing Gas Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-65B-2009 (R2020))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 717-B-202x, Surface Mount Niobium and Tantalum Capacitor Qualification Specification (new standard)

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

BSR/HI 9.7.4-202x, Pumps - Guideline for Vibration Troubleshooting and Corrective Actions (new standard)

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

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

BSR/INCITS/ISO/IEC 9075-1:2023 [202x], Information technology - Database languages SQL - Part 1: Framework (SQL/Framework) (identical national adoption of ISO/IEC 9075-1:2023 and revision of INCITS/ISO/IEC 9075-1:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-2:2023 [202x], Information technology - Database languages SQL - Part 2: Foundation (SQL/Foundation) (identical national adoption of ISO/IEC 9075-2:2023 and revision of INCITS/ISO/IEC 9075-2:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-3:2023 [202x], Information technology - Database languages SQL - Part 3: Call-Level Interface (SQL/CLI) (identical national adoption of ISO/IEC 9075-3:2023 and revision of INCITS/ISO/IEC 9075-3:2016 [2018])

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

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

BSR/INCITS/ISO/IEC 9075-4:2023 [202x], Information technology - Database languages SQL - Part 4: Persistent stored modules (SQL/PSM) (identical national adoption of ISO/IEC 9075-4:2023 and revision of INCITS/ISO/IEC 9075-4:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-9:2023 [202x], Information technology - Database languages SQL - Part 9: Management of External Data (SQL/MED) (identical national adoption of ISO/IEC 9075-9:2023 and revision of INCITS/ISO/IEC 9075-9:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-10:2023 [202x], Information technology - Database languages SQL - Part 10: Object language bindings (SQL/OLB) (identical national adoption of ISO/IEC 9075-10:2023 and revision of INCITS/ISO/IEC 9075-10:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-11:2023 [202x], Information technology - Database languages SQL - Part 11: Information and definition schemas (SQL/Schemata) (identical national adoption of ISO/IEC 9075-11:2023 and revision of INCITS/ISO/IEC 9075-11:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-13:2023 [202x], Information technology - Database languages SQL - Part 13: SQL Routines and types using the Java TM programming language (SQL/JRT) (identical national adoption of ISO/IEC 9075-13:2023 and revision of INCITS/ISO/IEC 9075-13:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-14:2023 [202x], Information technology - Database languages SQL - Part 14: XML-Related Specifications (SQL/XML) (identical national adoption of ISO/IEC 9075-14:2023 and revision of INCITS/ISO/IEC 9075-14:2016 [R2022])

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

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

BSR/INCITS/ISO/IEC 9075-15:2023 [202x], Information technology - Database languages SQL - Part 15: Multidimensional arrays (SQL/MDA) (identical national adoption of ISO/IEC 9075-15:2023)

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

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

BSR/INCITS/ISO/IEC 9075-16:2023 [202x], Information technology - Database languages SQL - Part 16: Property Graph Queries (SQL/PGQ) (identical national adoption of ISO/IEC 9075-16:2023)

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

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

BSR/INCITS/ISO/IEC 19794-7:2021 [202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (identical national adoption of ISO/IEC 19794-7:2021 and revision of INCITS/ISO/IEC 19794-7:2014 [R2019])

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

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

BSR/INCITS/ISO/IEC 27036-3:2023 [202x], Cybersecurity - Supplier relationships - Part 3: Guidelines for hardware, software, and services supply chain security (identical national adoption of ISO/IEC 27036-3:2013 and revision of INCITS/ISO/IEC 27036-3:2013 [2019])

NSF (NSF International)

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

BSR/NSF 49-202x (i182r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

NSF (NSF International)

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

BSR/NSF 350-202x (i80r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

NSF (NSF International)

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

BSR/NSF 455-1-202x (i2r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

NSF (NSF International)

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

BSR/NSF 455-1-202x (i4r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

NSF (NSF International)

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

BSR/NSF 455-1-202x (i5r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

NSF (NSF International)

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

BSR/NSF 455-1-202x (i7r1), Terminology for the NSF 455 Portfolio of Standards (revision of ANSI/NSF 455-1-2018)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i167r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

PCI (Precast/Prestressed Concrete Institute)

200 West Adams Street, Chicago, Illinois 60606-5230 | egallandorm@pci.org, www.pci.org

BSR/PCI 128-202x, Specification for Glass-Fiber-Reinforced Concrete Panels (revision of ANSI/PCI 128-2019)

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Heather.Sakellariou@ul.org, <https://ulse.org/>

BSR/UL 2941-202x, Standard for Safety for Cybersecurity of Distributed Energy and Inverter-Based Resources (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 90.7-202x, VNX+ Optical and Coax Apertures - Type 2 (new standard)

American National Standards (ANS) Announcements

Corrections

ULSE - UL Standards & Engagement

BSR/UL 4891-202x

The 8/11/2023, PINS notice mistakenly referenced an incorrect designation of UL 1491. The PINS should have been described as:

BSR/UL 4891-202x, Solid State Molded-Case Circuit Breakers
(new standard)

Please direct inquiries to: Roger Pareja <roger.pareja@ul.org>

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

ANS Approval Date Corrections

ASTM - ASTM International

ASTM Approval Date Corrections

The following ASTM standards were approved as American National Standards (ANS) as follows:

ASTM E1302 – June 20, 2023

ASTM E1497 – June 20, 2023

ASTM E2837 – July 1, 2023

ASTM E814 – June 20, 2023

ASTM E438 – June 20, 2023

Please direct inquiries to: Laura Klineburger; accreditation@astm.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ADA (Organization) - American Dental Association

Meeting Dates: October 2-4, 2023

ADA Standards Committees to Hold Fall Meetings

The ADA Standards Committee on Dental Informatics (SCDI) and the ADA Standards Committee on Dental Products (SCDP) will hold meetings on October 2-4, 2023, in Orlando, FL, to discuss national dental standards on a variety of topics. The meeting will be held at the Hilton Orlando (6001 Destination Pkwy, Orlando, FL). Working groups will meet October 2-3 and a joint SCDP/SCDI Plenary meeting will be held on October 4. This will be a hybrid meeting and there will be an option for participants to attend virtually. All meetings are free and open to all but require advance registration. The schedule of working group meetings is provided in the registration area, which allows participants to select the meetings they wish to attend. You may register by visiting [this link](#).

For inquiries please contact: Sharon Stanford, American Dental Association (ADA (Organization)) | 211 East Chicago Avenue, Chicago, IL 60611-2678 | (312) 440-2509, stanfords@ada.org

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Meetings: September 6-7, 2023; December 13-14, 2023; February 7-8, 2024

The **American Society of Safety Professionals (ASSP)** is the secretariat for the **ASSP Z244 Committee for Control of Hazardous Energy – Lockout/Tagout and Alternative Methods**. The next Z244 meetings will take place on the following dates: **September 6-7, 2023; December 13-14, 2023; and February 7-8, 2024**. Those interested in participating can contact ASSP for additional information at rblanchette@assp.org.

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Joint Binational (U.S. and Canada) Technical Committee for Carbon Intensity of Hydrogen

The Joint Binational (U.S. and Canada) Technical Committee for Carbon Intensity of Hydrogen will hold a committee meeting on the following dates:

September 12th, 2023 at 1 PM - 4 PM ET

WebEx meeting

For more information contact Anna Copeland, CSA Group at anna.copeland@csagroup.org

October 10th, 2023 at 1 PM - 4 PM ET

WebEx meeting

For more information contact Anna Copeland, CSA Group at anna.copeland@csagroup.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)
 Home Innovation (Home Innovation Research Labs)
 IES (Illuminating Engineering Society)
 ITI (InterNational Committee for Information Technology Standards)
 MHI (Material Handling Industry)
 NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
 NCPDP (National Council for Prescription Drug Programs)
 NEMA (National Electrical Manufacturers Association)
 NFRC (National Fenestration Rating Council)
 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)
 TMA (The Monitoring Association)
 ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org

Chenai Maguwah
cmaguwah@aami.org

Thomas Kim
tkim@aami.org

ACP

American Clean Power Association
1501 M Street NW, Suite 1000
Washington, DC 22205
www.cleanpower.org

Duane Brown
dbrown@cleanpower.org

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
www.ada.org

Paul Bralower
bralowerp@ada.org

AGA (ASC B109)

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

Luis Escobar
lescobar@aga.org

AGA (ASC Z380)

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

Luis Escobar
lescobar@aga.org

AGMA

American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314
www.agma.org

Amir Aboutaleb
tech@agma.org

AHRI

Air-Conditioning, Heating, and Refrigeration
Institute
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201
www.ahrinet.org

Karl Best
kbest@ahrinet.org

APA

APA - The Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
www.apawood.org

Borjen Yeh
borjen.yeh@apawood.org

ASA (ASC S1)

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

Raegan Ripley
standards@acousticalsociety.org

ASABE

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

Jean Walsh
walsh@asabe.org

ASX9

Accredited Standards Committee X9,
Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
www.x9.org

Ambria Calloway
Ambria.Calloway@X9.org

ASHRAE

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

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Ryan Shanley
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ASSP (Safety)

American Society of Safety Professionals
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Park Ridge, IL 60068
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ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
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Laura Klineburger
accreditation@astm.org

AWS

American Welding Society
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Miami, FL 33166
www.aws.org

Jennifer Rosario
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BHMA

Builders Hardware Manufacturers
Association
17 Faulkner Drive
Niantic, CT 06357
www.buildershardware.com

Michael Tierney
mtierney@kellencompany.com

BOMA

Building Owners and Managers Association
1101 15th Street, NW, Suite 800
Washington, DC 20005
www.boma.org

Kia Lor
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CSA

CSA America Standards Inc.
8501 East Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org

Debbie Chesnik
ansi.contact@csagroup.org

<p>CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 www.cta.tech Catrina Akers cakers@cta.tech</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 700 K Street NW, Suite 600 Washington, DC 20001 www.incits.org Deborah Spittle comments@standards.incits.org</p>	<p>TIA Telecommunications Industry Association 1320 North Courthouse Road, Suite 200 Arlington, VA 22201 www.tiaonline.org Teesha Jenkins standards-process@tiaonline.org</p>
<p>ECIA Electronic Components Industry Association 13873 Park Center Road, Suite 315 Herndon, VA 20171 www.ecianow.org Laura Donohoe ldonohoe@ecianow.org</p>	<p>ITSDF Industrial Truck Standards Development Foundation, Inc. 1750 K Street NW, Suite 460 Washington, DC 20006 www.indtrk.org Christopher Merther chris.merther@itsdf.org</p>	<p>ULSE UL Standards & Engagement 100 Queen Street, Suite 1040 Ottawa, ON K1P 1 https://ulse.org/ Celine Eid celine.eid@ul.org</p>
<p>ESTA Entertainment Services and Technology Association 271 Cadman Plaza, P.O. Box 23200 Brooklyn, NY 11202 www.esta.org Richard Nix standards@esta.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 www.nfpa.org Dawn Michele Bellis dbellis@nfpa.org</p>	<p>ULSE UL Standards & Engagement 12 Laboratory Drive Research Triangle Park, NC 27709 https://ulse.org/ Doreen Stocker Doreen.Stocker@ul.org Grayson Flake Grayson.Flake@ul.org</p>
<p>HI Hydraulic Institute 300 Interpace Parkway, Building A, 3rd Floor, #280 Parsippany, NJ 07054 www.pumps.org Alexander Moser amoser@pumps.org Amy Sisto asisto@pumps.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 www.nsf.org Allan Rose arose@nsf.org Jason Snider jsnider@nsf.org Monica Leslie mleslie@nsf.org Rachel Brooker rbrooker@nsf.org</p>	<p>Haley Callahan haley.callahan@ul.org Julio Morales Julio.Morales@UL.org Michael Niedermayer michael.niedermayer@ul.org Nicolette Weeks Nicolette.A.Weeks@ul.org Shannon Henesy shannon.henesy@ul.org</p>
<p>Home Innovation Home Innovation Research Labs 400 Prince George's Boulevard Upper Marlboro, MD 20774 www.HomeInnovation.com Kevin Kauffman kkauffman@Homeinnovation.com</p>	<p>PCI Precast/Prestressed Concrete Institute 200 West Adams Street Chicago, Illinois 60606 www.pci.org</p>	<p>ULSE UL Standards & Engagement 333 Pvingsten Road Northbrook, IL 60062 https://ulse.org/ Amy Walker Amy.K.Walker@ul.org</p>
<p>IAPMO (Z) International Association of Plumbing & Mechanical Officials 18927 Hickory Creek Drive, Suite 220 Mokena, IL 60448 https://www.iapmostandards.org Terry Burger terry.burger@asse-plumbing.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Road Exton, PA 19341 www.scte.org Natasha Aden naden@scte.org</p>	<p>Heather Sakellariou Heather.Sakellariou@ul.org Jeff Prusko jeffrey.prusko@ul.org Megan Monsen megan.monsen@ul.org Mitchell Gold mitchell.gold@ul.org</p>

ULSE

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Linda Phinney
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VITA

VMEbus International Trade Association
(VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com

Jing Kwok
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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

Aircraft and space vehicles (TC 20)

ISO/DIS 23507, Space data and information transfer systems - Information preparation to enable long term use - 11/2/2023, \$125.00

Cranes (TC 96)

ISO/DIS 23814, Cranes - Competency requirements for crane inspectors - 10/27/2023, \$40.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO/DIS 25178-601, Geometrical product specifications (GPS) - Surface texture: Areal - Part 601: Design and characteristics of contact (stylus) instruments - 10/29/2023, \$71.00

ISO/DIS 25178-602, Geometrical product specifications (GPS) - Surface texture: Areal - Part 602: Design and characteristics of non-contact (confocal chromatic probe) instruments - 10/29/2023, \$71.00

ISO/DIS 25178-604, Geometrical product specifications (GPS) - Surface texture: Areal - Part 604: Design and characteristics of non-contact (coherence scanning interferometry) instruments - 10/29/2023, \$82.00

Fine ceramics (TC 206)

ISO/DIS 5618-2, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for GaN crystal surface defects - Part 2: Method of determining the etch pit density - 11/2/2023, \$88.00

Graphical symbols (TC 145)

ISO 7010:2019/DAmD 136, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 136: Safety sign M062: Disinfect surface - 10/28/2023, \$29.00

ISO 7010:2019/DAmD 135, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 135: Safety sign M061: Disinfect your hands - 10/27/2023, \$29.00

Measurement of fluid flow in closed conduits (TC 30)

ISO/DIS 4064-1, Water meters for cold potable water and hot water - Part 1: Metrological and technical requirements - 11/2/2023, \$119.00

ISO/DIS 4064-2, Water meters for cold potable water and hot water - Part 2: Test methods - 11/2/2023, \$165.00

ISO/DIS 4064-3, Water meters for cold potable water and hot water - Part 3: Test report format - 11/2/2023, \$146.00

ISO/DIS 4064-4, Water meters for cold potable water and hot water - Part 4: Non-metrological requirements not covered in ISO 4064-1 - 11/2/2023, \$88.00

Paints and varnishes (TC 35)

ISO/DIS 16053-2, Paints and varnishes - Coating materials and coating systems for exterior wood - Part 2: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water - 10/28/2023, \$77.00

Photography (TC 42)

ISO/DIS 20793, Photography - Lenticular print for changing images - Measurements of image quality - 11/2/2023, \$93.00

Plastics (TC 61)

ISO/DIS 4892-1, Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance - 10/27/2023, \$93.00

Rolling bearings (TC 4)

ISO/DIS 17956, Rolling bearings - Method for calculating the effective static safety factor for universally loaded rolling bearings - 10/30/2023, \$53.00

Rubber and rubber products (TC 45)

ISO/DIS 19984-2, Rubber and rubber products - Determination of biobased content - Part 2: Biobased carbon content - 10/27/2023, \$77.00

Technical drawings, product definition and related documentation (TC 10)

ISO/DIS 7499, Technical product documentation (TPD) - Unique integral feature identification (UIFI) - 10/29/2023, \$77.00

ISO/DIS 7533, Technical product documentation (TPD) - Naming the specifications in the Technical product specification (TPS) - 10/30/2023, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 20000-10, Information technology - Service management - Part 10: Overview and key concepts - 11/2/2023, \$102.00

IEC Standards**All-or-nothing electrical relays (TC 94)**

94/948/CD, IEC 61810-7-3 ED1: Electrical relays - Tests and Measurements - Part 7-3: Relay coil properties, 10/06/2023

Audio, video and multimedia systems and equipment (TC 100)

100/4021/CD, IEC 60268-7 ED4: Sound system equipment - Part 7: Headphones and earphones, 11/03/2023

100/4022/NP, PNW 100-4022 ED1: A new part of IEC 61937: High Versatility 3D Audio Coding, 11/03/2023

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

46A/1639/CDV, IEC 61196-1-127 ED1: Coaxial Communication Cables-Part 1-127: Electrical test methods - Link loss of radiating cable, 11/03/2023

Capacitors and resistors for electronic equipment (TC 40)

40/3074/FDIS, IEC 60393-4 ED3: Potentiometers for use in electronic equipment - Part 4: Sectional specification: Single-turn rotary power potentiometers, 09/22/2023

Electric road vehicles and electric industrial trucks (TC 69)

69/910/CD, IEC 62840-2 ED2: Electric vehicle battery swap system - Part 2: Safety requirements, 11/03/2023

Electrical apparatus for explosive atmospheres (TC 31)

31/1717/NP, PNW 31-1717 ED1: Explosive atmospheres - Part 45 - Electrical Ignition Systems for Internal Combustion Engines, 11/03/2023

Electrical Energy Storage (EES) Systems (TC 120)

120/332/CD, IEC 62933-5-4 ED1: Electrical energy storage(ESS) systems Part 5-4 - Safety test methods and procedures for grid integrated EES systems - Lithium ion battery-based systems, 11/03/2023

Electrical equipment in medical practice (TC 62)

62D/2067/FDIS, IEC 60601-2-19/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators, 09/22/2023

62D/2068/FDIS, IEC 60601-2-20/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators, 09/22/2023

62D/2069/FDIS, IEC 60601-2-50/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment, 09/22/2023

62C/888/CD, IEC 61267 ED3: Medical diagnostic X-ray equipment - Radiation conditions for use in the determination of characteristics, 11/03/2023

62D/2070/FDIS, IEC 80601-2-77/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment, 09/22/2023

62D/2064/CDV, ISO 80369-6 ED2: Small bore connectors for liquids and gases in healthcare applications - Part 6: Connectors for neuraxial applications, 11/03/2023

62/474/NP, PNW 62-474 ED1: Machine Learning-enabled Medical Device - Performance Evaluation Process, 11/03/2023

62A/1516/NP, PNW TS 62A-1516 ED1: Medical devices - Guidance on the application of ISO 14971 - Part 2: Machine learning in artificial intelligence, 11/03/2023

Electrical installations for the lighting and beaconing of aerodromes (TC 97)

97/264/FDIS, IEC 61820-3-2 ED1: Electrical installations for lighting and beaconing of aerodromes - Part 3-2: Requirements for power supplies - Particular requirements for series circuits, 09/22/2023

Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/3058(F)/FDIS, IEC 60512-99-003 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 99-003: Endurance test schedules - Test 99c: Test schedule for balanced single-pair connectors separating (unmating) under electrical load, 09/01/2023

Equipment for electrical energy measurement and load control (TC 13)

13/1907(F)/FDIS, IEC 62057-3 ED1: Electrical energy meters - Test equipment, techniques and procedures - Part 3: Automatic meter testing system (AMTS), 09/15/2023

13/1907(F)/FDIS, IEC 62057-3 ED1: Electrical energy meters - Test equipment, techniques and procedures - Part 3: Automatic meter testing system (AMTS), 09/15/2023

Fibre optics (TC 86)

86A/2367(F)/FDIS, IEC 60794-1-111 ED1: Optical fibre cables - Part 1-111: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Bend, method E11, 09/01/2023

86B/4793/FDIS, IEC 61753-021-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-02: Single-mode fibre optic connectors terminated as pigtails and patchcords for category C - Controlled environment, 09/22/2023

86B/4792/FDIS, IEC 61753-021-06 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-06: Single-mode fibre optic connectors terminated as pigtails and patchcords for category OP+ - Extended outdoor protected environment, 09/22/2023

Fuel Cell Technologies (TC 105)

105/1002/CD, IEC 62282-7-2 ED2: Fuel cell technologies - Part 7-2: Test methods - Single cell and stack performance tests for solid oxide fuel cells (SOFCs), 11/03/2023

High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV (TC 115)

115/343/DTS, IEC TS 63471 ED1: DC voltages for HVDC grids, 10/06/2023

Industrial-process measurement and control (TC 65)

65B/1245/CD, IEC 61298-1 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 1: General considerations, 11/03/2023

65B/1246/CD, IEC 61298-2 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 2: Tests under reference conditions, 11/03/2023

65B/1247/CD, IEC 61298-3 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 3: Tests for the effects of influence quantities, 11/03/2023

65B/1248/CD, IEC 61298-4 ED3: Process measurement and control devices - General methods and procedures for evaluating performance - Part 4: Evaluation report content, 11/03/2023

65A/1101/CD, IEC 61326-2-7 ED1: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-7: Particular requirements - Test configurations, operational conditions, test levels and performance criteria for field devices with Ethernet-APL interfaces, 11/03/2023

65E/1023/CDV, IEC 62381 ED3: Automation systems in the process industry - Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT), 11/03/2023

65E/1024/CDV, IEC 62382 ED3: Control systems in the process industry - Electrical and instrumentation loop check, 11/03/2023

Measuring equipment for electromagnetic quantities (TC 85)

85/891/CD, IEC 61554 ED2: Panel mounted equipment - Electrical measuring instruments - Dimensions for panel mounting, 11/03/2023

Piezoelectric and dielectric devices for frequency control and selection (TC 49)

49/1437A/NP, PNW 49-1437 ED1: Lithium tantalate and lithium niobate crystal for surface acoustic wave (SAW) device applications - Specifications, 10/27/2023

Power electronics (TC 22)

22E/254A/NP, PNW 22E-254 ED1: InterLink Converters (ILC) - Safety and Performance Requirements, 09/29/2023

Power system control and associated communications (TC 57)

57/2602/CDV, IEC 61850-6/AMD2 ED2: Amendment 2 - Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs, 11/03/2023

Printed Electronics (TC 119)

119/453/NP, PNW 119-453 ED1: International Electrotechnical Vocabulary (IEV) - Part 543: Printed and Flexible Electronics, 11/03/2023

Quantities and units, and their letter symbols (TC 25)

25/767/CD, IEC 80000-13 ED2: Quantities and units - Part 13: Information science and technology, 10/06/2023

Semiconductor devices (TC 47)

47/2815/CD, IEC 63287-3 ED1: Semiconductor devices - Generic semiconductor qualification guidelines - Part 3: Guidelines for reliability qualification plans for power semiconductor module, 11/03/2023

47E/815/NP, PNW 47E-815 ED1: Semiconductor devices - Part 5 -18: Optoelectronic devices - Light emitting diodes - Test method of the macro photoluminescence for epitaxial wafers of micro light emitting diodes, 11/03/2023

47F/442/NP, PNW 47F-442 ED1: Semiconductor devices - Micro-electromechanical devices - Part 50: MEMS capacitive silicon microphone, 10/06/2023

Solar photovoltaic energy systems (TC 82)

82/2174/FDIS, IEC 62548-1 ED1: Photovoltaic (PV) arrays - Part 1: Design requirements, 09/22/2023

Surge arresters (TC 37)

37A/399/CD, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Requirements and testing methods, 10/06/2023

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

121A/568/CD, IEC 60947-5-3 ED3: Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDb), 10/06/2023

121A/566(F)/FDIS, IEC 61095 ED3: Electromechanical contactors for household and similar purposes, 09/01/2023

System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A.C., particularly considering safety aspects (TC 99)

99/413(F)/FDIS, IEC 61936-2 ED1: Power installations exceeding 1 kV AC and 1,5 kV DC - Part 2: DC, 09/01/2023

(SyCCOMM)

SyCCOMM/73/NP, PNW TS SYCCOMM-73 ED1: Systems Reference Deliverable (SRD) - Application driven Communication Use Cases and Requirements, 11/03/2023

(TC 126)

126/55/CD, IEC 63277-3-1 ED1: Binary power generation systems - Part 3-1: Safety requirements for the system with less than 500 kW in capacity, 11/03/2023

Wind turbine generator systems (TC 88)

88/965/CDV, IEC 61400-24/AMD1 ED2: Amendment 1 - Wind energy generation systems - Part 24: Lightning protection, 11/03/2023

88/976/NP, PNW 88-976 ED1: Electromagnetic Compatibility (EMC) Requirements and test methods, 10/06/2023

Winding wires (TC 55)

55/1978/CDV, IEC 60317-0-9/AMD1 ED1: Amendment 1 - Specifications for particular types of winding wires - Part 0-9: General requirements - Enamelled rectangular aluminium wire, 11/03/2023

55/1979/CDV, IEC 60317-1/AMD1 ED4: Amendment 1 - Specifications for particular types of winding wires - Part 1: Polyvinyl acetal enamelled round copper wire, class 105, 11/03/2023

55/1982/CDV, IEC 60317-12/AMD1 ED4: Amendment 1 - Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120, 11/03/2023

55/1983/CDV, IEC 60317-13/AMD1 ED3: Amendment 1 - Specifications for particular types of winding wires - Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, 11/03/2023

55/1984/CDV, IEC 60317-15/AMD2 ED3: Amendment 2 - Specifications for particular types of winding wires - Part 15: Polyesterimide enamelled round aluminium wire, class 180, 11/03/2023

55/1980/CDV, IEC 60317-2/AMD1 ED5: Amendment 1 - Specifications for particular types of winding wires - Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer, 11/03/2023

55/1985/CDV, IEC 60317-27-2/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 27-2:
Paper tape covered round aluminium wire, 11/03/2023

55/1986/CDV, IEC 60317-27-3/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 27-3:
Paper tape covered rectangular copper wire, 11/03/2023

55/1987/CDV, IEC 60317-27-4/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 27-4:
Paper tape covered rectangular aluminium wire, 11/03/2023

55/1988/CDV, IEC 60317-28/AMD1 ED2: Amendment 1 -
Specifications for particular types of winding wires - Part 28:
Polyesterimide enamelled rectangular copper wire, class 180,
11/03/2023

55/1989/CDV, IEC 60317-35/AMD2 ED2: Amendment 2 -
Specifications for particular types of winding wires - Part 35:
Solderable polyurethane enamelled round copper wire, class
155, with a bonding layer, 11/03/2023

55/1990/CDV, IEC 60317-36/AMD2 ED2: Amendment 2 -
Specifications for particular types of winding wires - Part 36:
Solderable polyesterimide enamelled round copper wire, class
180, with a bonding layer, 11/03/2023

55/1991/CDV, IEC 60317-37/AMD1 ED2: Amendment 1 -
Specifications for particular types of winding wires - Part 37:
Polyesterimide enamelled round copper wire, class 180, with a
bonding layer, 11/03/2023

55/1992/CDV, IEC 60317-38/AMD1 ED2: Amendment 1 -
Specifications for particular types of winding wires - Part 38:
Polyester or polyesterimide overcoated with polyamide-imide,
enamelled round copper wire, class 200, with a bonding layer,
11/03/2023

55/1993/CDV, IEC 60317-46/AMD1 ED2: Amendment 1 -
Specifications for particular types of winding wires - Part 46:
Aromatic polyimide enamelled round copper wire, class 240,
11/03/2023

55/1994/CDV, IEC 60317-47/AMD1 ED2: Amendment 1 -
Specifications for particular types of winding wires - Part 47:
Aromatic polyimide enamelled rectangular copper wire, class
240, 11/03/2023

55/1995/CDV, IEC 60317-57/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 57:
Polyamide-imide enameled round copper wire, class 220,
11/03/2023

55/1996/CDV, IEC 60317-58/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 58:
Polyamide-imide enameled rectangular copper wire, class 220,
11/03/2023

55/1997/CDV, IEC 60317-59/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 59:
Polyamide-imide enamelled round copper wire, class 240,
11/03/2023

55/1998/CDV, IEC 60317-68/AMD2 ED1: Amendment 2 -
Specifications for particular types of winding wires - Part 68:
Polyvinyl acetal enamelled rectangular aluminium wire, class
120, 11/03/2023

55/1999/CDV, IEC 60317-69/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 69:
Polyester or polyesterimide overcoated with polyamide-imide
enamelled rectangular aluminium wire, class 220,
11/03/2023

55/2000/CDV, IEC 60317-73/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 73:
Polyester or polyesterimide overcoated with polyamide-imide
enamelled rectangular aluminium wire, class 200,
11/03/2023

55/2001/CDV, IEC 60317-74/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 74:
Polyesterimide enamelled rectangular aluminium wire, class
180, 11/03/2023

55/1981/CDV, IEC 60317-8/AMD1 ED4: Amendment 1 -
Specifications for particular types of winding wires - Part 8:
Polyesterimide enamelled round copper wire, class 180,
11/03/2023

55/2002/CDV, IEC 60317-82/AMD1 ED1: Amendment 1 -
Specifications for particular types of winding wires - Part 82:
Polyesterimide enamelled rectangular copper wire, class 200,
11/03/2023



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 18743:2015/Amd 1:2023](#), - Amendment 1: Microbiology of the food chain - Detection of Trichinella larvae in meat by artificial digestion method - Amendment 1: Method validation studies and performance characteristics, \$22.00

Aircraft and space vehicles (TC 20)

[ISO 5879:2023](#), Space systems - Ground test for the separation between a launch vehicle and a spacecraft - Requirements for combined separation tests, horizontal separation tests and individual falling separation tests, \$183.00

Earth-moving machinery (TC 127)

[ISO 21815-3:2023](#), Earth-moving machinery - Collision warning and avoidance - Part 3: Risk area and risk level for forward/reverse motion, \$210.00

Gas cylinders (TC 58)

[ISO 11363-1:2018/Amd 1:2023](#), - Amendment 1: Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 1: Specifications - Amendment 1, \$22.00

Geographic information/Geomatics (TC 211)

[ISO 19111:2019/Amd 2:2023](#), - Amendment 2: Geographic information - Referencing by coordinates - Amendment 2, \$22.00

[ISO 19162:2019/Amd 1:2023](#), - Amendment 1: Geographic information - Well-known text representation of coordinate reference systems - Amendment 1, \$22.00

Internal combustion engines (TC 70)

[ISO 4548-13:2023](#), Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 13: Static burst pressure test for composite filter housings, \$51.00

Mechanical vibration and shock (TC 108)

[ISO 10813-1:2023](#), Vibration generating machines - Guidance for selection - Part 1: Equipment for environmental testing, \$183.00

Plastics (TC 61)

[ISO 1663:2023](#), Rigid cellular plastics - Determination of water vapour transmission properties, \$116.00

Road vehicles (TC 22)

[ISO 34503:2023](#), Road Vehicles - Test scenarios for automated driving systems - Specification for operational design domain, \$183.00

Rubber and rubber products (TC 45)

[ISO 14932:2023](#), Rubber compounding ingredients - Organic vulcanizing agents - Determination of organic peroxide content, \$183.00

Ships and marine technology (TC 8)

[ISO 3797:2023](#), Ships and marine technology - Vertical steel ladders, \$77.00

Small tools (TC 29)

[ISO 9182-5:2023](#), Tools for pressing - Guide pillars - Part 5: Type D, end-locking pillars with flange, \$51.00

Soil quality (TC 190)

[ISO 11267:2023](#), Soil quality - Inhibition of reproduction of Collembola (*Folsomia candida*) by soil contaminants, \$210.00

Welding and allied processes (TC 44)

[ISO 3581:2023](#), Welding consumables - Covered electrodes for manual metal arc welding of stainless and heat-resisting steels - Classification, \$183.00

ISO Technical Specifications

Nanotechnologies (TC 229)

[ISO/TS 10689:2023](#), Nanotechnologies - Superhydrophobic surfaces and coatings: Characteristics and performance assessment, \$157.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 5087-1:2023](#), Information technology - City data model - Part 1: Foundation level concepts, \$210.00

[ISO/IEC 6523-1:2023](#), Information technology - Structure for the identification of organizations and organization parts - Part 1: Identification of organization identification schemes, \$77.00

[ISO/IEC 23001-7:2023](#), Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files, \$210.00

[ISO/IEC 23094-1:2020/Amd 1:2023](#), - Amendment 1:

Information technology - General video coding - Part 1:
Essential video coding - Amendment 1: Green metadata
supplemental enhancement information, \$22.00

[ISO/IEC 30107-1:2023](#), Information technology - Biometric
presentation attack detection - Part 1: Framework, \$77.00

[ISO/IEC 23090-12:2023](#), Information technology - Coded
representation of immersive media - Part 12: MPEG immersive
video, \$237.00

[ISO/IEC TS 27560:2023](#), Privacy technologies - Consent record
information structure, \$237.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Urban Logistics

Comment Deadline: September 22, 2023

KATS, the ISO member body for South Korea, has submitted to ISO a proposal for a new field of ISO technical activity on Urban Logistics, with the following scope statement:

Standardization in the field of urban logistics technology and services, including but not limited to terms, functions, assessments and evaluations, and requirements for economical, efficient and eco-friendly urban logistics.

The goal of the technical committee is to help build urban logistics technologies and services that are sustainable, socially and economically responsible.

Standardization activities are technologies and services for efficient and sustainable urban logistics required for cities that are constantly evolving and expanding due to rapid population growth and digital transformation.

Excluded: Standardization covered by

- *ISO/TC 22 - Road vehicles*
- *ISO/TC 34 - Food products*
- *ISO/TC 92 - Fire safety*
- *ISO/TC 101 - Continuous mechanical handling equipment*
- *ISO/TC 122 - Packaging*
- *ISO/TC 176 - Quality management and quality assurance*
- *ISO/TC 204 - Intelligent transport systems*
- *ISO/TC 262 - Risk management*
- *ISO/TC 268 - Sustainable cities and communities*
- *ISO/TC 283 - Occupational health and safety management*
- *ISO/IEC JTC 1 - Information technology*
- *ISO/TC 308 - Chain of custody*
- *ISO/TC 315 - Cold chain logistics*
- *ISO/TC 321 - Transaction assurance in E-commerce*
- *ISO/TC 344 – Innovative logistics.*

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, September 22, 2023.

International Organization for Standardization (ISO)

ISO Proposal for the Reactivation of ISO Technical Activity

Boilers and pressure vessels

Comment Deadline: September 22, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for the reactivation of ISO/TC 11 (Boilers and pressure vessels) which has been in ISO ‘standby’ mode for a number of years due to inactivity. The scope of ISO/TC 11 is as follows:

Standardization of construction of boilers and pressure vessels.

Excluded:

- *railway and marine boilers covered by ISO/TC 8;*
- *gas cylinders covered by ISO/TC 58;*
- *aircraft and vehicle components covered by ISO/TC 20;*
- *equipment used for fire-fighting covered by ISO/TC 21;*
- *personal safety equipment covered by ISO/TC 94;*
- *components of rotating or reciprocating devices;*
- *nuclear pressure equipment covered by ISO/TC 85;*
- *pipng systems;*
- *cryogenic vessels covered by ISO/TC 220.*

Note:

Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.

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, September 22, 2023.

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, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 62.2-2022**

Public Review Draft

**Proposed Addendum a to
Standard 62.2-2022, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**Second Public Review (July 2023)
(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 www.ashrae.org/standards-research--technology/public-review-drafts 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 www.ashrae.org/bookstore 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, www.ashrae.org.

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

(This foreword 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

Standard 62.2 has recently revised the minimum filtration requirement. This proposed addendum simplifies the filtration credit available in Section 4.1.4, Ventilation-Rate Reduction for Particle Filtration. Currently this section allows a wide range of filter efficiencies to qualify. This addendum proposes to narrow that range and significantly simplify the section. Other than eliminating the credit for low-performing filters, this revision does not substantially change the effect of this section.

New Section 7.6, Filtered Air Delivery Rate, establishes the minimum qualifying filter that is allowed to get credit for PM reductions. (A qualifying filter is roughly MERV 13 or better depending on which test method is used.) The section then calculates the particle reduction factor (PRF) resulting from the design of the system. The equation for PRF is based on the continuity equation (i.e., mass balance) with and without additional air cleaning; it assumes typical values for 62.2-compliant air change rates and particle deposition rates.

New references are cited in this revision and those are listed to be added to Section 10.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (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 a to 62.2-2022

Revise Section 4.1.4 and delete Tables 4-2, 4-3, 4-4 as shown below.

4.1.4 Ventilation-Rate Reduction for Particle Filtration. This section describes the requirements necessary to apply a credit against the minimum total ventilation rate of this standard. This credit applies during any period of not less than one day in which the requirements of Sections 4.1.4.1, 4.1.4.2, and 4.1.4.3 are met. In these cases,

$$Q_{\text{filtration, credit}} = 0.2 \times Q_{\text{tot}} \quad (4-8)$$

where Q_{tot} is the total ventilation rate of Section 4.1.1 as modified by Section 4.1.3 and any required additional airflow of Section A3, and $Q_{\text{filtration, credit}}$ is the credit for filtration, which shall be used to reduce Q_{tot} in Section 4.1 for that period.

4.1.4.1 Air Distribution System. ~~The filtered air shall be supplied to or returned from all rooms in the habitable space through not less than one permanently installed air-moving device ~~an air-handling system~~. Systems that combine filtration air distribution and HVAC distribution, such as an air-handling system that~~

Informative Note: A system of one or more permanently installed air-moving devices that provides or does not provide space conditioning and supplies air from or returns air to the system's associated filter(s) from every bedroom and living area; ~~complies with this requirement but are not required.~~

4.1.4.2 Particle Filtration. Recirculated air shall be passed through a *filter* with a maximum filtration factor of 4.3 as determined in accordance with Section 4.1.4.2.1. The particle reduction factor (PRF) shall be at least 2.1 based on the daily average filtered air delivery rate (FADR; see Section 7.6). Outdoor and recirculated air are also subject to the requirements of Section 6.7, which may require additional filtration depending on the system design.

4.1.4.2.1 Filtration Factor. The filtration factor of an air filter (f_{fr}) shall be determined using one of the following methods:-

- a. ~~Filters tested to ASHRAE Standard 52.2: Identify the filtration factor from the row in Table 4-2 associated with the MERV designation.~~
- b. ~~Filters tested to AHRI 680: Identify the filtration factor from the row in Table 4-3 for which the measured particle size efficiencies are no less than the values listed in the row.~~
- c. ~~Filters with an alternative method providing PM2.5 efficiency as approved by the authority having jurisdiction: Identify the filtration factor from the row in Table 4-4 for which the PM2.5 efficiency is no less than the value listed in the row.~~

4.1.4.3 Airflow Rate. The minimum airflow rate passing through the filter is shown in Equation 4-9:

$$\cancel{Q_{fr} = f_{fr} Q_{tot}} \quad (4-9)$$

where Q_{fr} is the time average flow rate of filtered, recirculated air delivered by the air handling system. The period of time for averaging the flow shall not exceed one day. If the period exceeds 12 hours, controls shall be provided to ensure that the system also provides at least 10% of Q_{fr} every 12-hour period.

Table 4-2 Filtration Factor for Filters Tested to ASHRAE Standard 52.2

MERV	f_{fr}
11	4.3
12	3.0
13	2.1
14	1.8
15	1.7
16	1.6

Table 4-3 Filtration Factor for Filters Tested to AHRI 680

Particle Size Efficiency (0.30 to 1.0 μm)	Particle Size Efficiency (1.0 to 3.0 μm)	f_{fr}
0	65	4.3
0	80	3.0
25	85	2.1
75	90	1.8
85	90	1.7
95	95	1.6

Table 4-4 Filtration Factor for Filters with a PM2.5 Efficiency Designation

PM2.5 Efficiency	f_{fr}
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BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2022, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
Second Public Review Draft

35%	4.3
50%	3.0
70%	2.1
85%	1.8
90%	1.7
95%	1.6

4.1.4.34.1.4.4 Installation and Maintenance. All filters shall be readily accessible from within the occupiable space. Filters shall be installed using methods to minimize air bypass. In addition to the instruction and labeling requirements of Section 6.2, the filter designation required to meet the filtration requirements for this system shall be prominently displayed on or near the filter housing access door.

Add new Section 7.6 as shown below.

7.6 Filtered Air Delivery Rate. Where qualifying filters are used in conjunction with permanently installed air-moving devices, this section shall be used to determine the filtered air delivery rate (FADR) and the particle reduction factor (PRF) as needed. The FADR at any one time shall be the sum of the individual FADRs from permanently installed air-moving devices operating at that time, calculated using Equation 7-1.

$$FADR = \sum_{i=1}^n FADR_i \quad (7-1)$$

where

$FADR$ = filtered air delivery rate at any one time

n = the number of permanently installed air moving devices providing an FADR at any one time

$FADR_i$ = the FADR for the i^{th} permanently installed air moving device, cfm/ft² (L/s/m²)

If no air-moving devices are in operation, the FADR shall be zero.

7.6.1 Permanently Installed Air-Moving Devices. The FADR for a permanently installed air-moving device using a qualifying filter shall be determined using Equation 7-3.

$$FADR_i = 0.85 \cdot Q_{recirculated,i} / A_{floor} \quad (7-3)$$

where

$FADR_i$ = filtered air delivery rate for the i^{th} permanently installed air-moving device, cfm/ft² (L/s/m²)

$Q_{recirculated,i}$ = recirculated airflow of the i^{th} permanently installed air-moving device, cfm (L/s)

A_{floor} = dwelling-unit floor area, ft² (m²)

7.6.2 Qualifying Filters. A filter is qualifying if it meets any of the following criteria:

1. It has a certified filtration efficiency not less than 50% for 1-micron particles.
2. It has a designation not less than MERV 13 as determined by ASHRAE Standard 52.2.
3. It has an efficiency rating not less than 85% in the 1.0-3.0-micron range as determined by AHRI 680.
4. It has an ePM1 efficiency not less than 50% as determined by ISO 16890.
5. It is accepted as a high efficiency particle air (HEPA) filter by the authority having jurisdiction.

7.6.3 Particle Reduction Factor. The particle reduction factor (PRF) shall be calculated using Equation 7-4a (I-P) or 7-4b (SI).

$$PRF = 1 + 8.8 \cdot FADR_d \quad (7-4a)$$

where

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2022, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*

Second Public Review Draft

PRF = particle reduction factor, unitless

FADR_a = daily average filtered air delivery rate, cfm/ft²

$$\underline{PRF = 1 + 1.7 * FADR_a} \quad (7-4b)$$

where

PRF = particle reduction factor, unitless

FADR_a = daily average filtered air delivery rate, L/s/m²

Add new reference to Section 10 as shown below.

10. References

International Organization for Standardization (ISO)

Ch. de Blandonnet 8, CP 401

CH-1214 Vernier, Geneva, Switzerland

+41 22 749 01 11; www.iso.org

ISO 16890 (2016) Air Filters for General Ventilation. Section 7.6.3



**BSR/ASHRAE Addendum h
to ANSI/ASHRAE Standard 15-2022**

First Public Review Draft

**Proposed Addendum h to
Standard 15-2022, Safety Standard
for Refrigeration Systems**

**First Public Review (August 2023)
(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 <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts> 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 www.ashrae.org/bookstore 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, www.ashrae.org.

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

(This foreword 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 proposed addendum corrects values of conversion factors in Table 7-3 for use in the calculation of effective dispersal volume charge (EDVC) and adds equations to calculate conversion factors for other refrigerants not included in Table 7-3.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 h to Standard 15-2022

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. DEFINITIONS

[...]

7.6.1.2* Other Refrigeration Systems. For any refrigeration system not meeting the requirements of Section 7.6.1.1, the *refrigerant* charge of the largest *independent circuit* of the system (m_s) shall not exceed the value from Equation 7-9a:

$$EDVC = M_{def} \times F_{LFL} \times F_{occ} \quad (7-9a)$$

where:

$EDVC$ = effective dispersal volume charge, ft³ (m³)

M_{def} = refrigerant charge from Table 7-1 (lb) or Table 7-2 (kg)

F_{LFL} = LFL conversion factor from Table 7-3, or for refrigerant designations not in Table 7-3, use Equation 7-9b

F_{occ} = occupancy adjustment factor; (For all *occupancies* other than *institutional occupancies*, F_{occ} has a value of 1. For *institutional occupancies*, F_{occ} has a value of 0.5.)

$$F_{LFL} = \left(\frac{LFL}{LFL_{R-32}} \right)^{1.25} \quad (7-9b)$$

where:

LFL ≡ lower flammability limit, lb/1000 ft³ (g/m³)

LFL_{R-32} ≡ lower flammability limit of R-32, lb/1000 ft³ (g/m³)

[...]

Table 7-3 LFL Conversion Factor

<i>Refrigerant</i>	<i>FLFL</i>
R-32	1.00
R-452B	1.02
R-454A	0.900.92
R-454B	0.960.97
R-454C	0.940.95
R-457A	0.650.71

[...]

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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-1.14.3 Acceptance

N-1.14.4 The canopy alarm shall activate within 15 s of loss of capture of the visible medium.

N-1.14.5 Inflow velocity shall not be reduced by more than ~~10 ft/min (0.051 m/s)~~ the lowest value verified by the NSF/ANSI 49 biological challenge testing after turning the facility exhaust off.

Rationale: revised language to eliminate inconsistency between N-1 and Section 5.4 of Standard 49.

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NSF/ANSI Standard
for the NSF/ANSI 455 portfolio of Standards

Terminology for the NSF/ANSI 455 portfolio of Standards

1 General

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1.2 Scope

Definitions covered by this Standard consist of terminology related the NSF/ANSI 455 Portfolio of Standards, including terms describing for dietary supplements, cosmetics / personal care products, and over-the-counter drugs, ~~and medical devices~~. This Standard includes common definitions of terms used throughout the NSF/ANSI 455 Portfolio of Standards.

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2 Normative references

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~~AAMI 13485-2016. *Medical devices – Quality management systems – Requirements for regulatory purposes*~~⁴

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⁴Association for the Advancement of Medical Instrumentation, 4301 N. Fairfax Dr., Suite. 301, Arlington, VA 22203-1633, USA <www.aami.org>.

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3 Definitions

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3.17 component (for medical devices): any raw material, substance, piece, part, software, firmware,

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labeling, or assembly which is intended to be included as part of the finished, packaged, and labeled device.³

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3.41 medical devices: ~~instrument, apparatus, implement, machine, appliance, implant, reagent for *in vitro* use, software, material or other similar or related article, intended by the manufacturer to be used, alone or in combination, for human beings, for one or more of the specific medical purpose(s) of:~~

- diagnosis, prevention, monitoring, treatment or alleviation of disease;
- diagnosis, monitoring, treatment, alleviation of or compensation for an injury;
- investigation, replacement, modification, or support of the anatomy or of a physiological process;
- supporting or sustaining life;
- control of conception;
- disinfection of medical devices; and
- providing information by means of *in vitro* examination of specimens derived from the human body; and does not achieve its primary intended action by pharmacological, immunological or metabolic means, in or on the human body, but which may be assisted in its intended function by such means.

NOTE — Products which may be considered to be medical devices in some jurisdictions, but not in others, include:

- disinfection substances;
- aids for persons with disabilities;
- devices incorporating animal and/or human tissues; and
- devices for *in vitro* fertilization or assisted reproduction technologies⁴

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3.55 purity (for cosmetics, ~~medical devices~~, and OTC): freedom from adulteration or contamination.

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NSF/ANSI Standard
for the NSF/ANSI 455 portfolio of Standards

Terminology for the NSF/ANSI 455 portfolio of Standards

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3 Definitions

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3.28 dietary supplements: A product (other than tobacco) that:

— is intended to supplement the diet and bears or contains one or more of the following dietary ingredients: a vitamin, a mineral, an herb or other botanical, an amino acid, a dietary substance for use by humans to supplement the diet by increasing the total dietary intake, or a concentrate, metabolite, constituent, extract, or combinations of these ingredients;

— is intended for ingestion in pill, capsule, tablet, powder, or liquid form;

— is not represented for use as a conventional food or as the sole item of a meal or diet;

— is labeled as a “dietary supplement” or has the word “dietary” deleted and replaced by the name of the dietary ingredient/s in the product (e.g., calcium supplement) or an appropriately descriptive term indicating the type of dietary ingredients that are in the product (e.g., herbal supplement with vitamins); or labeled with alternative names that comply with specific regulations of the country of manufacture or sale;

~~— includes an article that is approved as a new drug under Section 505, certified as an antibiotic under Section 507, or licensed as a biologic under Section 351, of the Public Health Service Act (42 U.S.C. 262), and was, prior to such approval, certification, or license, marketed as a dietary supplement or as a food unless the Secretary (U.S. Department of Health and Human Services, FDAP) has issued a regulation, after notice, and comment, finding that the article, when used as or in a dietary supplement under the conditions of use and dosages set forth in the labeling for such dietary supplement, is unlawful under section 402(f), and does not include an article that is approved as a new drug under Section 505, certified as an antibiotic under section 507, or licensed as a biologic under Section 351 of the Public Health Service Act (42 U.S.C. 262) or an article authorized for investigation as a new drug, antibiotic, or biological for which substantial clinical investigations have been instituted and for which the existence of such investigations has been made public, which was not before such approval, certification, licensing, or authorization marketed as a dietary supplement or as a food unless the Secretary, in the Secretary’s discretion, has issued a regulation, after notice and comment, finding that the article would be lawful.⁷~~

Tracking number 455-1i4r1
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Revision to NSF/ANSI 455-1-2018
Issue 4 Revision 1 (August 2023)

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NSF/ANSI Standard
for the NSF/ANSI 455 portfolio of Standards

Terminology for the NSF/ANSI 455 portfolio of Standards

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2 Normative References

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21CFR111.3 – Current Good Manufacturing Practice in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements³

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3 Definitions

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3.7 batch or lot: a specific quantity of product or a portion of that product that is uniform; or when produced by continuous process, an amount of uniform product produced in a specified unit of time or quantity.³

3.8 ~~batch/lot~~ batch or lot number: distinctive combination of numbers, letters and/or symbols, which specifically identifies a batch or lot.⁶

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3.22 control: ~~verification that acceptance criteria are met.~~⁶ to manage the conditions of an operation to maintain compliance with established criteria, and/or the state wherein correct procedures are being followed and criteria are being met.⁵

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NSF/ANSI Standard
for the NSF/ANSI 455 portfolio of Standards

Terminology for the NSF/ANSI 455 portfolio of Standards

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3 Definitions

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3.69 serious adverse event: an adverse event that:

— results in death, a life-threatening experience, inpatient hospitalization, a persistent or significant disability or incapacity, ~~or~~ a congenital anomaly or birth defect, an infection, significant disfigurement (including serious and persistent rashes, second- or third-degree burns, significant hair loss, or persistent or significant alteration of appearance), other than as intended, under conditions of use that are customary or usual; or

— requires, based on a reasonable medical judgment, a medical or surgical intervention to prevent an outcome described above.

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1 Below are substantive changes to PCI 142 due to public comments. Changes are shown in redline/strikethrough
 2 format. Only these sections of the proposed document are available for thirty-day public comment.
 3 For additional information, email standards@pci.org
 4

5 1.2.6 Hollow piles used for non-seismic extreme events where the piles are designed beyond the elastic limit
 6 state shall be designed and detailed per the general code.

7 **allowable geotechnical capacity** – ~~the allowable axial tensile or compressive strength of the pile based on~~
 8 ~~geotechnical response only.~~ the nominal geotechnical capacity of the pile divided by a factor of safety in
 9 accordance with 3.2.

10 design geotechnical capacity – the nominal geotechnical capacity of the pile multiplied by a strength reduction
 11 factor or resistance factor in accordance with the general code.

12 **nominal geotechnical capacity of pile** – ~~the nominal axial tensile or compressive strength of the pile based on~~
 13 ~~geotechnical response only.~~ the axial geotechnical tensile or compressive strength of the pile based on testing or
 14 analysis in accordance with 3.2.

15 I_{eff} = effective moment of inertia, in.⁴

16 ϵ_{smd} = strain at peak stress of dowel reinforcement

17 **3.2.1** The allowable, ~~design~~ ~~or~~ ~~and~~ nominal geotechnical capacity of ~~the a~~ prestressed concrete pile shall be
 18 determined in accordance with the general code.

19 **3.2.2 Compression** The ~~allowable or~~ nominal geotechnical compressive capacity of prestressed concrete piles
 20 shall be determined in accordance with one or a combination of the following testing specifications as
 21 determined by the licensed design professional or geotechnical engineer:

22 **4.3.1** Unless design is performed in accordance with the performance-based provisions of 4.8, prestressed
 23 concrete piles shall be designed in accordance with the prescriptive requirements of ~~4.4 for serviceability, 4.5 for~~
 24 ~~allowable stress design, 4.6 for strength design, and 4.7 for detailing.~~

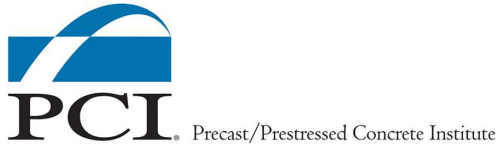
25 ~~4.8.1 For the overall structure, prestressed concrete piles shall be designed and detailed such that the strain~~
 26 ~~demands from the design earthquake do not to exceed material strain limits given in Tables 4.8.1(a) and 4.8.1(b)~~
 27 ~~for solid and hollow prestressed concrete piles, respectively. Hollow piles filled with concrete shall be treated as~~
 28 ~~solid piles.~~

29 **Table 4.8.1(a)** Life safety strain limits for solid prestressed concrete piles

Component	Top of pile	In ground	Deep in ground (>10D _p)
Strain in concrete ϵ_c^*	0.025 No limit	$\epsilon_c \leq 0.005 + 1.1$ $\rho_s \leq 0.012$	Deep in ground (>10D _p) No limit
Strain in prestressing steel ϵ_p	0.035	$\epsilon_p \leq 0.035$	$\epsilon_p \leq 0.050$
Strain in reinforcing steel dowels ϵ_s	ϵ_s $\leq 0.0608 \epsilon_{smd}$ ≤ 0.08	n/a	

30 Note: n/a = not applicable.

31 *Concrete limit is upper bound. Actual limit is based on calculated limit assuming confined concrete conditions.



32 **Table 4.8.1(b)** Life safety strain limits for hollow prestressed concrete piles

Component	Top of pile	In ground	Deep in ground (>10D _p)
Strain in concrete ϵ_c^*	ϵ_c $\leq 0.0080-005$	ϵ_c $\leq 0.0080-005$	$\epsilon_c \leq 0.008$
Strain in prestressing steel ϵ_p	0.025	ϵ_p $\leq 0.0350-025$	$\epsilon_p \leq 0.050$
Strain in reinforcing steel dowels ϵ_s	$\epsilon_s \leq 0.6\epsilon_{smd}$ $\leq 0.060-04$	n/a	

33 Note: n/a = not applicable.

34 *Concrete limit is upper bound.

35 **4.8.3** The ~~cracked effective~~ moment of inertia, I_{eff} , shall be determined using moment-curvature analysis. [See](#)
36 [general code for \$I_{eff}\$ equation.](#)

37 ~~**4.8.3.1** I_{ef} shall not be taken less than $0.60I_g$, nor shall it be taken greater than $0.75I_g$.~~

38 ~~**4.8.3.1.1**~~ The same value of I_{eff} shall be used in the structural analysis model to determine the displacement
39 demand and the displacement capacity of the pile.

40

SUMMARY OF MAIN CHANGES TO ANSI/TIA-222 REVISION I (Draft V2) FOR ANSI BALLOT

Note: Changes made from the original draft of TIA-222-I, to the upcoming release, are shown below. These changes have been made as a result of feedback from the TR-14 comment period. Original text is in italics, with updated text also in italics, but changes in bold.

1. 2.6.6.1 Wind Speed-Up

- Before

Wind speed-up effects at isolated hills, ridges and escarpments constituting abrupt changes in the general topography, located in any exposure category, shall be included in the calculation of design wind loads under the following conditions:

1. *The height of the topographic feature is greater than or equal to 15 ft. [4.57 m] for Exposure C, D, or Site-Specific Exposures; and 60 ft. [18 m] for Exposure B, and*
2. *The structure is located on the upper half of the hill, ridge or escarpment.*

- After

Wind speed-up effects at isolated hills, ridges and escarpments constituting abrupt changes in the general topography, located in any exposure category, shall be included in the calculation of design wind loads under the following conditions:

1. *The height of the topographic feature is greater than or equal to 15 ft. [4.57 m] for Exposure C, D, or Site-Specific Exposures; and 60 ft. [18 m] for Exposure B, and*
2. *The structure is located on the upper half of the hill, ridge or escarpment.*
3. ***Slope $H/L \geq 0.1$***

2. 2.6.12.1 Along-wind Gust Loads

- Before

The structure is analyzed using a constant q_{wg} using velocity pressure coefficient, gust effect, directionality, rooftop wind speed-up, ground elevation and topographic factors (e.g. $K_z K_{zt} K_s K_e K_d G_h$) equal to 1.0 with the applicable importance factor, I , for the structure using a wind load factor equal to 1.0 and without any dead loads. Force coefficients shall be determined per Tables 2-7a, 2-7b, 2-7c through 2-8 shall be calculated based on wind pressure equal to half that of q_{wg} .

- After

The structure is analyzed using a constant q_{wg} using velocity pressure coefficient, gust effect, directionality, rooftop wind speed-up, ground elevation and topographic factors (e.g. $K_z K_{zt} K_s K_e K_d G_h$) equal to 1.0 with the applicable importance factor, I , for the structure using a wind load factor equal to 1.0 and without any dead loads. Force coefficients shall be determined per Tables 2-7a, 2-7b, 2-7c through 2-8 shall be calculated based on wind pressure equal to half that of q_{wg} .

Velocity used to establish force coefficients is determined by:

- $V = \sqrt{\frac{q_{wg}}{0.0256}}$ **mph**
- $V = \sqrt{\frac{q_{wg}}{0.613}}$ **[m/s]**

3. 2.7.9 Structures Supported on Buildings or Other Structures

- Before

For structures where the weight of the supported structure is equal to or greater than 25% of the combined weight of both the supported and the supporting structure, seismic load effects shall be determined in accordance with ASCE 7-22.

- After

*For structures where the weight of the supported structure is equal to or greater than **20%** of the combined weight of both the supported and the supporting structure, seismic load effects shall be determined in accordance with ASCE 7-22.*

4. Table 2-8 Force Coefficients, C_a , for Appurtenances

- Before

Triangular Shroud, with or w/o rounded corners	2.0
Hexagonal Shroud, with or w/o rounded corners	1.6

- After

Triangular Shroud, with or w/o rounded corners	1.4	2.0
Hexagonal Shroud, with or w/o rounded corners	1.1	1.6

5. Table 4-12

- Before

5-9	As noted above in Table 4-12 for Round Tubular Poles	$8 [203] \leq D \leq 50 [1270]$ $1 [25] \leq r_b \leq 4 [102]$ $6 \leq N_s$	Multiply KF from FDCI 5-9 by: $(1 + (D - r_b) \times N_s^{-2})$ $\left[\left(1 + \frac{1}{25} (D - r_b) \times N_s^{-2} \right) \right]$ For $N_s > 16$, multiply KF from FDCI 5-9 by 1.0
-----	--	---	---

- After

5-9	As noted above in Table 4-12 for Round Tubular Poles	$8 [203] \leq D \leq 80 [2030]$ $1 [25] \leq r_b \leq 4 [102]$ $6 \leq N_s$	Multiply KF from FDCI 5-9 by: $(1 + (D - r_b) \times N_s^{-2})$ $\left[\left(1 + \frac{1}{25} (D - r_b) \times N_s^{-2} \right) \right]$ For $N_s > 16$, multiply KF from FDCI 5-9 by 1.0
-----	--	---	---

6. Table 4-12

- Before

No note 5

- After

For pole diameters greater than specified, see NCHRP Report 176.

7. 16.5, Note 3 Analysis Models

- Before

The analysis of a mounting system interface shall be included in the analysis of an appurtenance mounting system under the following conditions:

- The supporting structure is a self-supporting or bracketed lattice structure (lattice leg structures excluded), or guyed mast with the leg of the supporting structure being:
- 60 degree or 90 degree single angle, or formed 60 degree U-shaped member with a flange or web less than 4 in [101 mm].
- Pipe or hollow structural steel with outside diameter less than 2.5 in [64 mm].
- Solid round member with outside diameter less than 2 in [51 mm].

- After

The analysis of a mounting system interface shall be included in the analysis of an appurtenance mounting system under the following conditions:

- The supporting structure is a self-supporting or bracketed lattice structure (lattice leg structures excluded), or guyed mast.
- The supporting structure is a tubular pole structure and the appurtenance mounting system utilizes a tension friction collar.

8. Annex A – User and Procurement Guidelines

- Before

An existing structure, being evaluated for a changed condition, may be assumed to be in conformance with one of the 3 baseline conditions. It is intended the owner or owner's representative can provide documentation indicating the structure's conformance to the baseline conditions as needed. Further, the intention is the owner or owner's representative can confirm appurtenance loading at time of evaluation, as needed.

- After

An existing structure, being evaluated for a changed condition, may be considered to be in conformance with one of the 3 baseline conditions, **provided consultation and assessment is made with the structure owner / owner's representative, or verified through independent analysis, with all assumptions documented in accordance 15.6.**

9. Annex M – Wind-Induced Structural Oscillations

1. Annex M added

- Relocated previous Annex M, regarding monopole modifications, to new Annex V.
- New Annex M language is as follows

ANNEX M: WIND-INDUCED STRUCTURAL OSCILLATIONS (Informative)

Cantilevered tubular round or multisided sections used for pole structures, spines, antennas and shrouds can be subjected to significant wind-induced oscillations, especially when there are minimal appurtenances or lines supported by the structure. Guyed masts and self-supporting latticed towers can also be subjected to wind-induced oscillations.

Wind-induced oscillations may appear to be random or may occur with repetitive constant amplitudes. The oscillations can occur under a wide range of wind speeds and can occur in a direction normal, parallel or oblique to the wind direction. Torsional oscillations may also occur about the vertical axis of a structure. Often, wind-induced oscillations are barely noticeable by the naked eye and at other times the amplitudes are significant, resulting in concern from owners and the general public due to observed movements or noise from the oscillations.

There are three general types of wind-induced oscillations: vortex-shedding, buffeting and galloping. Vortex-shedding occurs as wind vortices are shed alternately on each side of a blunt object (non-streamlined) under low steady laminar wind speed conditions. Buffeting occurs as the result of moderate wind gusts interacting with the displacement of a structure. Galloping occurs due to instability from wind flow which may occur when a steady wind blows across a guy of a guyed mast during heavy rain or where ice accumulation has occurred, or when a structure is positioned in the downwind turbulent wake of an adjacent structure.

The significance of wind-induced oscillations depends upon the amplitude of the oscillations, how frequently the oscillations occur and the duration of each event. For many structures, the stresses resulting from the oscillations are very low, and there is no need for remedial action. For other structures, the amplitudes may result in significant cyclic stresses in the structure which can lead to fatigue cracks. The fatigue cracks may take years to initially develop and propagate or may develop in a relatively short period of time.

Although fatigue damage may occur at any location where a stress concentration exists (i.e. at openings in pole structures, at abrupt changes in cross-sections (stiffness) or at welded attachments to the structure), the most frequent damage occurs at the following locations:

- 1. Spines and cantilevered antennas: at the base or in the connection bolts.***
- 2. Cylindrical shrouded spines: at the base or in the connection bolts.***
- 3. Self-supporting structures: at the base or in the anchor rods.***
- 4. Guyed masts: in the guys or at their connection to the mast or guy anchor.***

Although there has been considerable research in the science of wind-induced structural oscillations, no practical analytical method has been found to predict, in advance, if significant wind-induced structural oscillations will occur at a particular site. It has been demonstrated that wind-induced oscillations result from a complex combination of variables which are beyond the control of the manufacturer or the structure designer. Some of the variables include the stiffness and mass of the structure, the characteristics of a building supporting a structure, the amount

of damping, the location and shape of appurtenances, prevailing wind directions, site terrain, laminar wind patterns, localized turbulence effects, site-specific wind flow characteristics and the size, type and proximity of adjacent structures or topographic features.

There are methods to reduce the magnitude and duration of wind-induced oscillations. These methods involve complex and unpredictable variables and may require an iterative process for a successful implementation. When oscillations are observed, the owner should contact a qualified engineer experienced in the area of structural oscillations for evaluation, monitoring and possible mitigation. Some of the solutions proven for mitigation include one or a combination of the following: installation of mass or liquid dampers, installation of helical strakes or additional appurtenances intended to introduce turbulence, changing the stiffness or mass of the structure or adjusting the still-air tensions in guy assemblies. When wind-induced oscillations are known to occur, more frequent maintenance and condition assessments should be considered to identify early signs of fatigue and to allow implementation of repair and mitigation plans before fatigue cracks propagate to a length that could result in a catastrophic failure.

The Standard includes a requirement for tightening top and leveling nuts for base plates. This requirement has been added to address fatigue-related issues reported for structures with loose anchor rod nuts (particularly leveling nuts) that have resulted in excessive deformations of base plates under cyclic loading thereby generating fatigue cracks.

Fatigue cracks most often originate and propagate from weld metal due to unavoidable and inherent microscopic imperfections in combination with the stress concentration associated with the geometry of a weldment. The occurrence of a fatigue crack from a weld is often initially attributed to faulty material or welding when the actual cause is cyclic loading from wind-induced oscillations.

Section 2.6.12 and Section 4.10 of this Standard includes evaluation of fatigue loading and detailing criteria intended to result in components with improved fatigue performance that minimize the occurrence of fatigue cracks for certain support structures. The detailing criteria of Section 4.0 may also be appropriate for structures, such as those noted above, susceptible to wind-induced oscillation.

10. Annex V – Modification and Reinforcement of Existing Pole Structures and Foundations

8. Annex V added

- Previous content of Annex M relocated to Annex V.

BSR/UL 970, Standard for Safety for Retail Fixtures and Merchandising Displays**1. Renaming of Appendix A to Annex A****PROPOSAL****Appendix A****Standards for Components ANNEX A (informative) – STANDARDS FOR COMPONENTS**

Standards under which components of the products covered by this standard are evaluated include the following:

Title of Standard – UL Standard Designation

Attachment Plugs and Receptacles – UL 498
 Ballasts, Fluorescent-Lamp – UL 935
 Capacitors – UL 810
 Controllers, Programmable – Part 2: Equipment Requirements and Tests – UL 61131-2
 Cord Sets and Power-Supply Cords – UL 817
 Double Insulation Systems for Use in Electrical Equipment – UL 1097
 Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors – UL 486E
 Flexible Cords and Cables – UL 62
 Fuseholders – Part 1: General Requirements – UL 4248-1
 Fuseholders – Part 4: Class CC – UL 4248-4
 Fuseholders – Part 5: Class G – UL 4248-5
 Fuseholders – Part 6: Class H – UL 4248-6
 Fuseholders – Part 8: Class J – UL 4248-8
 Fuseholders – Part 9: Class K – UL 4248-9
 Fuseholders – Part 11: Type C (Edison Base) and Type S Plug Fuse – UL 4248-11
 Fuseholders – Part 12: Class R – UL 4248-12
 Fuseholders – Part 15: Class T – UL 4248-15
 Fuses, Low-Voltage – Part 1: General Requirements – UL 248-1
 Fuses, Low-Voltage – Part 14: Supplemental Fuses – UL 248-14
 Industrial Control Equipment – UL 508
 Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment – UL 840
 Lampholders – UL 496
 Lamp Starters, Fluorescent – UL 542
 Low-Voltage Switchgear and Control gear – Part 4-1: Contactors and Motor-Starters – Electromechanical Contactors and Motor-Starters – UL 60947-4-1A
 Low-Voltage Switchgear and Control gear – Part 1: General Rules – UL 60947-1
 Low-Voltage Switchgear and Control gear – Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches – UL 60947-5-2
 Luminaires – UL 1598
 Machines, Rotating Electrical Machines – General Requirements – UL 1004-1
 Impedance Protected Motors – UL 1004-2
 Thermally Protected Motors – UL 1004-3
 Marking and Labeling Systems – UL 969
 Motor-Operated Appliances – UL 73
 Plastic Materials for Parts in Devices and Appliances, Tests for Flammability of – UL 94
 Polymeric Materials – Long Term Property Evaluations – UL 746B
 Polymeric Materials – Short Term Property Evaluations – UL 746A
 Polymeric Materials – Use In Electrical Equipment Evaluations – UL 746C
 Portable Electric Luminaires – UL 153
 Printed-Wiring Boards – UL 796
 Protectors for Use in Electrical Equipment, Supplementary – UL 1077
 Switches, Clock-Operated – UL 917
 Switches, General-Use Snap – UL 20
 Switches for Appliances – Part 1: General Requirements – UL 61058-1

BSR/UL 1026, Standard for Household Electric Cooking and Food Serving Appliances

2. Clarify Strain Relief Test Requirement

PROPOSAL

10.2.2.5 The strain-relief means provided on an attached flexible cord, when tested in accordance with 10.2.2.6, shall be capable of withstanding for 1 minute, without transmitting stress at to the electrical connections, a pull of 35 lbf (156 N) applied to the cord, with the connection within the appliance disconnected.

10.2.2.6 The cord shall be cut closest to the electrical connections to allow visibility to the conductors within the jacket. The specified force is to be applied to the cord and supported by the appliance so that the strain-relief means will be is stressed from any angle that the construction of the appliance permits. The means of affording strain relief is not acceptable if either:-

- a) at the point of disconnection of the conductors, there is such movement of the cord to indicate that stress would have resulted on the connections. The cord jacket has moved such that it cannot meet the electrical connections without stress; or
- b) The cord shall not have internal displacement lengthwise conductors have been displaced by more than 0.078 in (2 mm) within the cord jacket .

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