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Project Initiation Notification System (PINS)

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

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

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org
Contact: Laura Klineburger; accreditation@astm.org

New Standard

BSR/ASTM WK76556-202x, New Practice for Continuity of Maritime Operations in a Pandemic Environment (new standard)

Stakeholders: General Requirements industry.

Project Need: The objective of ASTM International Committee on Ships and Marine Technology (F25) Pandemic Task Group under its General Requirements Subcommittee (F25.07) will be to identify potential work items, gather the right people from both industry and government to develop best practices, guidance specifications, and test methods that support continuity of operations during pandemics.

Scope: Development of commercial consensus standards, best practices, guidance, and other products that support continuity of maritime operations during pandemics or similar disruptions and reduce virus spread and infection by promoting consistent agreed-upon procedures and processes, and application of effective technologies.

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 www.aws.org
Contact: Jennifer Rosario; jrosario@aws.org

New Standard

BSR/AWS B2.1-22-015-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard)

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Scope: This standard contains the essential welding variables for aluminum in the thickness range of 10 through 18 gauge using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet welds and groove welds.

AWS (American Welding Society)

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

Contact: Jennifer Rosario; jrosario@aws.org

Reaffirmation

BSR/AWS B2.1-1/8-010-2015 (R202x), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1/8-010-2015)

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Scope: This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 18 through 10 gauge, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet welds and groove welds.

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Grand Rapids, MI 49504 www.bifma.org

Contact: Steven Kooy; skooy@bifma.org

New Standard

BSR/BIFMA X8.1-202X, Furniture Surfaces: Design and Durability for Cleaning, Sanitizing, and Disinfecting (new standard)

Stakeholders: Manufacturers, specifiers, users, designers, and suppliers of furniture for use in office and healthcare workspaces (NOT healthcare equipment, devices, beds or non-office furniture items).

Project Need: With an increased interest in cleaning products, the introduction of new cleaning products, and new cleaning tools, an industry standard will provide a methodology to pair proper finishes with chemicals and processes. Proper selection, testing, and pairing seeks to avoid damaging products unnecessarily.

Scope: The purpose of this document is to provide guidance to furniture manufacturers and facility managers when choosing surfaces and designs for various office and office furniture locations. It will provide a better understanding of the performance of furniture when exposed to certain cleaners, sanitizers, and disinfectants. The intent is to bring the recommended manufacturers' standards in line with existing practices and typically used cleaners, sanitizers, and disinfectants. It will include standard test methodologies and specific performance recommendations to which manufacturers can test; and to which users may evaluate relative product performance.

ESTA (Entertainment Services and Technology Association)

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

Contact: Richard Nix; standards@esta.org

Revision

BSR E1.4-1-202x, Entertainment Technology - Manual Counterweight Rigging Systems (revision of ANSI E1.4-1-2016)

Stakeholders: Theatrical rigging system manufacturers, system designers, installers, specifiers, users, and owners.

Project Need: ANSI E1.4-1-2016 is being updated for consistency with current technology.

Scope: This standard applies to permanently installed, manually operated systems hardware for the raising, lowering, and suspension of scenery, lighting, and similar loads. The systems illustrated in the Figures section describe common arrangements of systems used over performance areas.

FCI (Fluid Controls Institute)1300 Sumner Avenue, Cleveland, OH 44115 www.fluidcontrolsinstitute.orgContact: Leslie Schraff; fci@fluidcontrolsinstitute.org***Revision***

BSR/FCI 87-1-202x, Classification and Operating Principles of Steam Traps (revision of ANSI/FCI 87-1-2017)

Stakeholders: Manufacturers, users, specifiers of steam trap equipment.

Project Need: The industry needed to establish standards for determining capacities of industrial steam traps since many factors affect steam trap capacity which led to confusion in the past.

Scope: This standard is for the purpose of establishing and illustrating various classifications of Steam Traps in accordance with their basic principles of operation.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 14496-32:2021 [202x], Information technology - Coding of audio-visual objects - Part 32: File format reference software and conformance (identical national adoption of ISO/IEC 14496-32:2021)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Describes the reference software and conformance suite for the file format documents in MPEG-4 and MPEG-H. Since these documents share a lot of technology, their reference software and conformance program are being handled together. These documents are: ISO/IEC 14496-12, ISO/IEC 14496-14, ISO/IEC 14496-15, ISO/IEC 14496-30, and ISO/IEC 23008-12.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 21823-1:2019 [202x], Internet of things (IoT) - Interoperability for IoT systems - Part 1: Framework (identical national adoption of ISO/IEC 21823-1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides an overview of interoperability as it applies to IoT systems and a framework for interoperability for IoT systems. This document enables IoT systems to be built in such a way that the entities of the IoT system are able to exchange information and mutually use the information in an efficient way. This document enables peer-to-peer interoperability between separate IoT systems. This document provides a common understanding of interoperability as it applies to IoT systems and the various entities within them.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 21823-2:2020 [202x], Internet of things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability (identical national adoption of ISO/IEC 21823-2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Specifies a framework and requirements for transport interoperability, in order to enable the construction of IoT systems with information exchange, peer-to-peer connectivity, and seamless communication both between different IoT systems and also among entities within an IoT system. This document specifies: transport interoperability interfaces and requirements between IoT systems; transport interoperability interfaces and requirements within an IoT system.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 23002-7:2021 [202x], Information technology - MPEG video technologies - Part 7: Versatile supplemental enhancement information messages for coded video bitstreams (identical national adoption of ISO/IEC 23002-7:2021)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Specifies the syntax and semantics of video usability information (VUI) parameters and supplemental enhancement information (SEI) messages. The VUI parameters and SEI messages defined in this document are designed to be conveyed within coded video bitstreams in a manner specified in a video coding specification or to be conveyed by other means determined by the specifications for systems that make use of such coded video bitstreams. This document is particularly intended for use with coded video bitstreams as specified by Rec. ITU-T H.266 | ISO/IEC 23090-3, although it can also be used with other types of coded video bitstreams.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 29182-7:2015 [202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 7: Interoperability guidelines (identical national adoption of ISO/IEC 29182-7:2015)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides a general overview and guidelines for achieving interoperability between sensor network services and related entities in a heterogeneous sensor network.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30140-1:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 1: Overview and requirements (identical national adoption of ISO/IEC 30140-1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides a general overview of underwater acoustic sensor networks (UWASN). It describes their main characteristics in terms of the effects of propagation variability and analyses the main differences with respect to terrestrial networks. It further identifies the specificities of UWASN and derives some specific and general requirements for these networks.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30140-3:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 3: Entities and interface (identical national adoption of ISO/IEC 30140-3:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: The 30140 series provides general requirements, reference architecture, and high-level interface guidelines supporting interoperability among underwater acoustic sensor networks (UWASNs). Part 3 provides descriptions for the entities and interfaces of the UWASN reference architecture.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30140-4:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 4: Interoperability (identical national adoption of ISO/IEC 30140-4:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: The ISO/IEC 30140 series provides general requirements, reference architecture, and high-level interface guidelines supporting interoperability among underwater acoustic sensor networks (UWASNs). Part 4 provides information on interoperability requirements among entities within a UWASN and among various UWASNs.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 20924:2021 [202x], Information technology - Internet of Things (IoT) - Vocabulary (identical national adoption of ISO/IEC 20924:2021)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides a definition of Internet of Things along with a set of terms and definitions. This document is a terminology foundation for the Internet of Things.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30101:2014 [202x], Information technology - Sensor networks: Sensor network and its interfaces for smart grid system (identical national adoption of ISO/IEC 30101:2014)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: For sensor networks in order to support smart grid technologies for power generation, distribution, networks, energy storage, load efficiency, control and communications, and associated environmental challenges. Characterizes the requirements for sensor networks to support the aforementioned applications and challenges. Data from sensors in smart grid systems is collected, transmitted, published, and acted upon to ensure efficient coordination of the various systems and subsystems. The intelligence derived through the sensor networks supports synchronization, monitoring and responding, command and control, data/information processing, security, information routing, and human-grid display/graphical interfaces.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30128:2014 [202x], Information technology - Sensor networks - Generic Sensor Network Application Interface (identical national adoption of ISO/IEC 30128:2014)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Specifies the interfaces between the application layers of service providers and sensor network gateways, which is Protocol A in interface 3, defined in ISO/IEC 29182-5.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30141:2018 [202x], Internet of Things (IoT) - Reference Architecture (identical national adoption of ISO/IEC 30141:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides a standardized IoT Reference Architecture using a common vocabulary, reusable designs, and industry best practices. It uses a top-down approach, beginning with collecting the most important characteristics of IoT, abstracting those into a generic IoT Conceptual Model, deriving a high-level system-based reference with subsequent dissection of that model into five architecture views from different perspectives.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30142:2020 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Network management system overview and requirements (identical national adoption of ISO/IEC 30142:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides the overview and requirements of a network management system in underwater acoustic sensor network (UWASN) environment. It specifies the following: functions which support underwater network management system; entities required for underwater network management system; data about the communication between elements in underwater network management system; guidelines to model the underwater network management system; and general and functional requirements of underwater network management system.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30143:2020 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Application profiles (identical national adoption of ISO/IEC 30143:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Provides the guidelines for designing and developing new applications in the underwater environment such as fish farming, environment monitoring, harbour security, etc. This document also: provides the components required for developing the application; provides instructions for modeling the application with examples; helps the user to understand the communication between the elements in the application for modeling the communication between elements; guides the user with the design process of underwater applications.

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 www.incits.orgContact: Deborah Spittle; comments@standards.incits.org***National Adoption***

INCITS/ISO/IEC 30141:2018/COR1:2018 [202x], Internet of Things (IoT) - Reference Architecture - Technical Corrigendum 1 (identical national adoption of ISO/IEC 30141:2018/COR1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 1 to ISO/IEC 30141:2018.

NEMA (National Electrical Manufacturers Association)1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.orgContact: Kezhen Shen; Kezhen.Shen@nema.org***Reaffirmation***

BSR/NEMA FB-1-2014 (R202x), Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing, and Cable (reaffirmation of ANSI/NEMA FB-1-2014)

Stakeholders: Conduit fittings manufacturers, AHJs, and installers.

Project Need: To review and reaffirm the standard once every five years.

Scope: This Standard covers fittings that are a part of electrical raceway systems designed for use as required by NFPA 70, National Electrical Code® (NEC). Specifically, this standard covers fittings for use with non-flexible tubular raceways: Rigid and Intermediate Metal Conduit (RMC and IMC) and Electrical Metallic Tubing (EMT). Also included are fittings for use with flexible conduit and cable raceways, including: Flexible Metal Conduit and Liquidtight Flexible Conduits, Armored Cable, Metal Clad Cable, Tray Cable, Mineral-Insulated Cable, Flexible Cord, Nonmetallic Sheathed Cable, and Service Entrance Cable. This standard also includes cast-metal outlet boxes and covers, as well as conduit bodies and covers, which when designed for the purpose, serve as a box intended to house conductor splices and/or wiring devices; and cast metal junction boxes, pull boxes, and covers. This standard does not include standard conduit couplings of the type provided with lengths of RMC and IMC, or threaded conduit nipples, or threaded or unthreaded factory-made bends derived from RMC, and IMC or EMT nor apply to fittings, boxes, or enclosures that are used in hazardous (classified) locations. Exceptions are those ordinary (unclassified) location fittings and enclosures that are specifically permitted by the NEC in these locations.

TIA (Telecommunications Industry Association)1320 North Courthouse Road, Suite 200, Arlington, VA 22201 www.tiaonline.orgContact: Teesha Jenkins; standards-process@tiaonline.org***Revision***

BSR/TIA 102.AACA-B-202x, Project 25 - Digital Radio Over-The-Air-Rekeying (OTAR) Messages and Procedures (revision and redesignation of ANSI/TIA 102.AACA-A-2014)

Stakeholders: Federal/state/local government; manufacturers of handheld and mobile radios and systems, and associated equipment; radio component and software companies; radio test equipment companies and test labs; radio system integrators; consulting firms and standards developing organizations.

Project Need: Revise a current standard.

Scope: Five-year review and revision of OTAR Messages and Procedures, TIA 102.AACA-A; and incorporation of AACA-A-1 to create OTAR Messages and Procedures, TIA 102.AACA-B.

UL (Underwriters Laboratories)

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

Contact: Nicolette Weeks; Nicolette.A.Weeks@ul.org

New Standard

BSR/UL 1285-202X, Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service (new standard)

Stakeholders: Manufacturers, AHJ, and consumers of polyvinyl chloride (PVC) pressure pipe, machined couplings, fabricated fittings and gaskets, and oriented polyvinyl chloride (PVCO) pressure pipe and gaskets for use in underground fire protection systems.

Project Need: UL is seeking ANSI approval on the Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service, UL 1285, which covers the polyvinyl chloride (PVC) pressure pipe, machined couplings, fabricated fittings and gaskets, and oriented polyvinyl chloride (PVCO) pressure pipe and gaskets for use in underground fire protection systems and connections to such systems.

Scope: The requirements of UL 1285 cover polyvinyl chloride (PVC) pressure pipe, machined couplings, fabricated fittings, and gaskets and oriented polyvinyl chloride (PVCO) pressure pipe and gaskets for use in underground fire protection systems and connections to such systems. These requirements do not cover fittings that consist of mechanical joint retainer devices even when intended for use with polyvinyl chloride (PVC) pressure pipe. PVC pipe and couplings covered by these requirements shall be designated according to the Nominal Size, Pressure Class (PC), and Dimension Ratio (DR), as specified in ANSI/AWWA C900 for use with cast iron outside diameter (CIOD) or steel (IPS) pipe as applicable. PVCO pipe covered by these requirements shall be designated according to the Nominal Size, Pressure Class (PC), Expansion Ratio (ER) and Wall-Thickness-Ratio (WTR), as specified in ANSI/AWWA C909 for use with ductile-iron equivalent OD (DIOD) pipe. Requirements for the installation and use of PVC pressure pipe and couplings for fire protection service are specified in the Standard for the Installation of Private Fire Service Mains and their Appurtenances, NFPA 24, or the Standard for the Installation of Sprinkler Systems, NFPA 13.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: May 30, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 (678) 539-1214 www.ashrae.org

Addenda

BSR/ASHRAE Addendum 55e-202x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020)

Addendum e to Standard 55-2020 proposes changes to the paragraph which describes the basis for the calculation of prevailing mean temperature in Section 5.4.2.1. This change eliminates an equation that is easily misused and leaves a functionally equivalent equation that cannot be misused.

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

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 (678) 539-1214 www.ashrae.org

Addenda

BSR/ASHRAE Addendum 55f-202x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020)

Addendum f to Standard 55-2020 proposes changes to the air speed definition to account for moving occupants.

Additionally, activity-generated air speed and clothing insulation adjustment for an active person are now included within the PMV code of Normative Appendix B, in order to align with ISO 7730 and the original intent of the PMV model.

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

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

Comment Deadline: May 30, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 160-202x, Criteria for Moisture-Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160-2016)

This addendum revises the definition of the moisture-design reference year in Sections 3.1 and 4.5 and adds a related evaluation criterion in Section 6.

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

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

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 (847) 768-3475 www.assp.org

Revision

BSR/ASSP Z359.14-202x, Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems (revision and redesignation of ANSI/ASSE Z359.14-2014)

This standard establishes requirements for the performance, design, qualification testing, markings and instructions, inspections, maintenance and storage, and removal from service of self-retracting devices (SRDs) including self-retracting lanyards (SRLs), self-retracting lanyards with integral rescue capability (SRL-Rs), and self-retracting lanyards, personal (SRL-Ps). This standard establishes requirements for SRDs intended for use in personal fall arrest or rescue systems for authorized persons within the capacity range of 130 to 310 pounds (59 to 141kg).

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

Send comments (with optional copy to psa@ansi.org) to: Lauren Bauerschmidt; LBauerschmidt@assp.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 (734) 827-6866 www.nsf.org

Revision

BSR/NSF 455-3-202x (i25r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic manufacture with sufficient quality to ensure suitability for intended use.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 (734) 827-6866 www.nsf.org

Revision

BSR/NSF 455-3-202x (i26r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic manufacture with sufficient quality to ensure suitability for intended use.

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

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

Comment Deadline: May 30, 2021

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

Revision

BSR/TIA 604-10C-202x, FOCIS-10 - Fiber Optic Connector Intermateability Standard, Type LC (revision and redesignation of ANSI/TIA 604-10B-2008 (R2015))

Revise ANSI/TIA-604-10-B to: Explore LC adapter, plug, and receptacle interfaces in order to standardize the center-to-center position spacing beyond duplex and update as needed.

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

Send comments (with optional copy to psa@ansi.org) to: standards-process@tiaonline.org

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 (510) 319-4297 <https://ul.org/>

Revision

BSR/UL 758-202X, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2020)

(1) Conductor definition, revised 5.6.3; (2) Revised requirements for annealed copper wires and tinned annealed copper wires in Table 5.3.

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

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 (510) 319-4297 <https://ul.org/>

Revision

BSR/UL 817-202X, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2018)

Addition of hospital grade Cords, New 10.12.3.3.

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

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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1030-202x, Standard for Sheathed Heating Elements (revision of ANSI/UL 1030-2019)

This proposal covers: (1) Adding new sheathed heating element materials.

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

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

Comment Deadline: June 14, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 060-202x, Guidelines for Barrel and Overall Length Measurements for Firearms (new standard)

This document provides guidelines for measuring and reporting barrel length and overall length (BL-OL) of firearms, including guidelines for measurement traceability and estimating uncertainty of BL-OL measurements. This document does not apply to descriptive measurements of firearms. Please note that comments on a re-circulation will only be accepted on revised sections of a document; comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

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

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

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 054-202x, Standard for a Quality Control Program in Forensic Toxicology Laboratories (new standard)

This document establishes minimum requirements for quality control practices in forensic toxicology laboratories. The document explains the importance of a quality control program, how to select and care for materials used to prepare quality control samples, proper preparation and use of calibrator and control samples, and requirements for their use in different types of assays. The document also provides direction for the review and monitoring of quality control data in forensic toxicology laboratories. This standard applies to laboratories performing forensic toxicological analysis in the following sub-disciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services), and general forensic toxicology (non-lethal poisonings or intoxications). It is not intended for the area of breath alcohol toxicology. Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

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

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

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

ABYC (American Boat and Yacht Council)

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

New Standard

BSR/ABYC C-7-202x, Battery Switches for Use on Boats (new standard)

This standard applies to the design, construction, testing, and operating characteristics of battery switches used on boats in electrical systems rated at 60 V nominal or less.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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

Comment Deadline: June 14, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 (404) 636-8400 www.ashrae.org

Revision

BSR/ASHRAE Standard 41.2-202x, Standard Methods for Air Velocity and AirFlow Measurements (revision of ANSI/ASHRAE Standard 41.2-2018)

This revision of ANSI/ASHRAE Standard 41.2-2018 prescribes methods for air velocity and airflow measurement, including consideration of density effects.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM E1546-202x, Guide for Development of Fire-Hazard-Assessment Standards (new standard)

This guide covers the development of fire-hazard-assessment standards. This guide is directed toward development of standards that will provide procedures for assessing fire hazards harmful to people, animals, or property.

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

Send comments (with optional copy to psa@ansi.org) to: Corice Leonard; accreditation@astm.org

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 (800) 443-9353 308 www.aws.org

New Standard

BSR/AWS B2.5/B2.5M-202x, Specification for Measurement of Welding Power Source Output for Calculation of Welding Procedure Heat Input (new standard)

This document provides methods for determination of welding heat input, both in the case of traditional welding systems and those employing waveform-controlled welding. It is intended that this specification be referenced by other qualification and fabrication welding standards requiring the measurement and calculation of heat input for maintenance of dimensional attributes and resulting weldment properties such as strength, toughness, and corrosion-resistance.

Single copy price: \$25.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

Send comments (with optional copy to psa@ansi.org) to: jrosario@aws.org

AWS (ASC Z49) (American Welding Society)

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

Revision

BSR/AWS Z49.1-202x, Safety in Welding, Cutting, and Allied Processes (revision of ANSI/AWS Z49.1-2012)

This standard covers all aspects of safety and health in the welding environment, emphasizing oxygen gas and arc welding processes with some coverage given to resistance and high-energy beam welding, brazing, and soldering. It contains information on protection of personnel and the general area, ventilation, fire prevention and protection, and confined spaces. A significant section is devoted to precautionary information, showing examples, and an extensive bibliography is included.

Single copy price: \$38.00

Obtain an electronic copy from: steveh@aws.org

Order from: Stephen Hedrick; steveh@aws.org

Send comments (with optional copy to psa@ansi.org) to: pportela@aws.org

Comment Deadline: June 14, 2021

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 (909) 519-0740 www.asse-plumbing.org

Reaffirmation

BSR/ASSE 1024-2017 (R202x), Performance Requirements for Dual Check Backflow Preventers (reaffirmation of ANSI/ASSE 1024-2017)

This standard applies to devices classified as dual-check backflow preventers. The purpose of this device is to keep polluted water from flowing back into the potable water system when pressure is temporarily higher in the polluted part of the system than in the potable water piping. The devices covered by this standard are intended to protect the potable water supply from low-hazard pollution at residential service lines and individual outlets. These devices are intended for continuous or intermittent pressure conditions with cold-water service. Usage with hot water is limited to the temperature specified by the manufacturer.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 (909) 519-0740 www.asse-plumbing.org

Reaffirmation

BSR/ASSE 1060-2017 (R202x), Performance Requirements for Outdoor Enclosures for Fluid Conveying Components (reaffirmation of ANSI/ASSE 1060-2017)

This standard details the requirements of outdoor enclosures for fluid-conveying components. It includes enclosure types for freezing and non-freezing locations. These enclosures are designed to protect backflow prevention assemblies and devices, water/gas meters, control valves, pressure-reducing valves, air-release valves, pumps, and other components installed outdoors requiring protection from freezing and/or for system security.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 (909) 519-0740 www.asse-plumbing.org

Reaffirmation

BSR/ASSE 1062-2017 (R202x), Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings (reaffirmation of ANSI/ASSE 1062-2017)

This standard applies to temperature actuated, flow reduction (TAFR) valves for individual supply fittings that react to high-temperature water. These valves are intended for use in-line with, or integrated into, individual plumbing supply fittings such as shower heads, bath and utility faucets, and sink and lavatory faucets.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 (909) 519-0740 www.asse-plumbing.org

Reaffirmation

BSR/ASSE 1085-2018 (R202x), Performance Requirements for Water Heaters for Emergency Equipment (reaffirmation of ANSI/ASSE 1085-2018)

This standard is for water heaters supplying tepid water to emergency equipment, including eyewash, eye/face wash, emergency showers, and combination units. These water heaters heat the cold water supply to an acceptable tepid temperature within the intended range listed in ISEA Z358.1.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

Comment Deadline: June 14, 2021

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE 264-202x, Broadband Radio Frequency Hardline Taps for Cable Systems (new standard)

The purpose of this document is to recommend mechanical, environmental, and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to divide signals presented to an input port among two or more output ports with a fixed division ratio that is nominally independent of frequency within the specified bandwidth limits of the device.

Single copy price: \$50.00

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE 269-202x, Test Procedure for F Port Center Conductor Retention Force (new standard)

The purpose of this standard is to provide a mechanical retention force test procedure for the "F" female ports defined in SCTE•ISBE standards for 75-ohm broadband telecommunication devices.

Single copy price: \$50.00

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 01-202x, Specification for F Port, Female, Outdoor (revision of ANSI/SCTE 01-2015)

The purpose of this document is to specify the mechanical, environmental, and base line electrical performance for female outdoor "F" ports that are used in the 75-ohm RF broadband communications industry and that interface with "F" Male connectors as defined by ANSI/SCTE 123 and ANSI/SCTE 124.

Single copy price: \$50.00

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 02-202x, Specification for F Port, Female, Indoor (revision of ANSI/SCTE 02-2015)

The purpose of this document is to specify the mechanical, environmental and base line electrical performance for female indoor "F" ports that are used in the 75-ohm RF broadband communications industry and that interface with "F" Male connectors as defined by ANSI/SCTE 123 and ANSI/SCTE 124.

Single copy price: \$50.00

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

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

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

Comment Deadline: June 14, 2021

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 129-202x, Drop Passives: Bonding Blocks (Without Surge Protection) (revision of ANSI/SCTE 129-2017)

The purpose of this document is to specify the minimum mechanical and electrical performance for broadband radio frequency (RF) devices whose primary purpose is to provide a transition point between the network operator's service cable (the "drop") and the distribution wiring within premises. An important function of the device is to provide a connection point for a bonding conductor in accordance with requirements of the National Electrical Code or local building requirements. The scope of this specification is limited to 75-ohm devices whose ports are provided with female type "F" ports.

Single copy price: \$50.00

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 146-202x, Outdoor F Female to F Female Inline Splice (revision of ANSI/SCTE 146-2017)

The purpose of this document is to specify mechanical and electrical standards for 75-ohm broadband radio frequency (RF) devices whose purpose is to provide an outdoor inline connection between two type "F" male connectors that conform to ANSI/SCTE 123; Specification for "F" Connector, Male, Feed-Through or ANSI/SCTE 124; Specification for "F" Connector, Male, Pin Type and ANSI/SCTE 160, Specification for Mini "F" Connector, Male, Pin Type. The mechanical configuration is designed to accommodate sealing rings for external applications.

Single copy price: \$50.00

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 155-202x, Indoor F Female to F Female Inline Splice (revision of ANSI/SCTE 155-2017)

The purpose of this document is to specify the mechanical and electrical standards for 75-ohm broadband radio frequency (RF) devices that provide an indoor inline connection between two type "F" male connectors that conform to ANSI/SCTE 123, Specification for "F" Connector, Male, Feed-Through or ANSI/SCTE 124, Specification for "F" Connector, Male, Pin Type. The mechanical configuration is designed to accommodate wall-plate and bulkhead applications.

Single copy price: \$50.00

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

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

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

Comment Deadline: June 14, 2021

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

New Standard

BSR/TIA 604-19-202x, FOCIS 19 - Fiber Optic Connector Intermateability Standard - Type: CS Connector (new standard)
The project will create a new Fiber Optic Connector Interface Standard (FOCIS) FOCIS-19 standard for a duplexed 2-ceramic ferrule connector to take advantage of increased density needed in data centers and central offices. The commercial name of the connector is the CS connector
Single copy price: \$101.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (with optional copy to psa@ansi.org) to: standards-process@tiaonline.org

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 60335-2-89-202x, Standard for Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (national adoption of IEC 60335-2-89 with modifications and revision of ANSI/UL 60335-2-89-2017)
ANSI approval of the second edition of UL 60335-2-89.
Single copy price: Free
Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>
Order from: <http://www.shopulstandards.com>
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada (613) 368-4437 <https://ul.org/>

Revision

BSR/UL 263-202x, Standard for Safety for Fire Tests of Building Construction and Materials (revision of ANSI/UL 263-2020)
(1) Replacement of 5.2 to clarify existing requirements for the protection and conditioning of test specimens, including addition of references to ASTM E119 and ASTM E605; and addition of an appendix to provide guidance on locating moisture sensing elements in various types of test specimens with concrete. (2) Addition of requirement for data to be measured, recorded, and reported at intervals not exceeding 1 min; and revisions to existing intervals to 1 min.
Single copy price: Free
Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>
Order from: <http://www.shopulstandards.com>
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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 the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 (312) 587-4129 www.ada.org

ADA Technical Report No. 1087, Essential Characteristics of Digital Oral Health Risk Assessment Resources (revise technical report)

This technical report describes the essential characteristics of digital tools that collect clinician- or patient-entered information including consideration of systemic co-morbidities for the purposes of creating individual or population estimates of risk for specific oral diseases and associated medical co-morbidities. These characteristics include the input and output elements, usability, security and privacy features, and interoperability.

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 (312) 587-4129 www.ada.org

New Technical Report

ADA Technical Report No. 1083, Utilization of the Electronic Dental Record to Support Clinical Quality Improvement, Business Intelligence, and Decision Support (technical report)

This technical report provides an overview of the technical relationship of the electronic dental record (EDR) to quality improvement and patient data analysis, and examples of how it can be applied.

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 (312) 587-4129 www.ada.org

New Technical Report

ADA Technical Report No. 1092, Implementation Guide to Utilization of Diagnostic Code(s)/Term(s) in Dental Records (technical report)

This technical report is a primer for dental providers to facilitate adoption and use of dental diagnostic codes. The report includes information on current diagnostic code sets pertinent to the practice of dentistry and mechanisms to incorporate them in dental records, with real world examples and recommendations for risk management.

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:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 703-600-0327 www.ahrinet.org

BSR/AHRI Standard/ASHRAE/ISO 13256-1-1998 (R201x), Water-Source Heat Pumps - Testing and Rating for Performance - Part 1: Water-to-Air and Brine-to-Air Heat Pumps (reaffirm a national adoption ANSI/AHRI Standard/ASHRAE/ISO 13256-1 -1998)

Inquiries may be directed to Kristin Carlson; kcarlson@ahrinet.org

Project Withdrawn

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 703-600-0327 www.ahrinet.org

BSR/AHRI Standard/ASHRAE/ISO 13256-2-1998 (R201x), Water-Source Heat Pumps - Testing and Rating for Performance - Part 2: Water-to-Water and Brine-to-Water Heat Pumps (reaffirm a national adoption ANSI/AHRI Standard/ASHRAE/ISO 13256-2-1998)

Inquiries may be directed to Kristin Carlson; kcarlson@ahrinet.org

ASTM (ASTM International)

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

BSR/ASTM F420-200x, Test Method for Access Depth Under Furniture of Vacuum Cleaners (revision of ANSI/ASTM F420 -1999)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM F431-1999 (R202x), Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners (reaffirmation of ANSI/ASTM F431-1999 (R2013))

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM F888-202x, Test Method for Measuring Maximum Function Volume of the Primary Dirt Receptacle in a Vacuum Cleaner (revision of ANSI/ASTM F888-2011)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM F1284-2009 (R202x), Test Method for Evaluating Carpet Embedded Dirt Removal Effectiveness of Residential Central Vacuum Cleaning Systems (reaffirmation of ANSI/ASTM F1284-2009)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM F2609-200x, Test Method for Litter-Cleaning Effectiveness of Vacuum Cleaners (revision of ANSI/ASTM F2609 -2006)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM F2797-202x, Reinstatement of Test Method for Evaluating Edge Cleaning Effectiveness of Vacuum Cleaners (new standard)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

Project Withdrawn

ASTM (ASTM International)

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

BSR/ASTM F2863-202x, New Specification for Central Vacuum Hose Inlet Valve Socket Dimensions (new standard)
Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM WK25459-202x, Test Method for Draft Test Method for Measuring the Carpet Cleaning Effectiveness of Wet Extraction Cleaners (new standard)
Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM WK63071-202x, New Practice for Vacuum-Assisted Heat Fusion Joining of Polyethylene (PE) Saddle Fittings to Polyethylene (PE) Plastic Pipe (new standard)
Inquiries may be directed to Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

BSR/ASTM WK70493-202x, New Specification for Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Fittings for Drain, Waste, and Vent Systems (new standard)
Inquiries may be directed to Laura Klineburger; accreditation@astm.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

BSR/TIA 102.CCAA-C-202x, Two-Slot Time Division Multiple Access, Transceiver Measurement Methods (revision and redesignation of ANSI/TIA 102.CCAA-B-2016)
Inquiries may be directed to Teesha Jenkins; standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

BSR/TIA 102.CCAB-B-202x, Two-Slot Time Division Multiple Access Transceiver Performance Recommendations (revision and redesignation of ANSI/TIA 102.CCAB-A-2014)
Inquiries may be directed to Teesha Jenkins; standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

BSR/TIA 603-F-202x, Land Mobile FM or PM - Communications Equipment - Measurement and Performance Standards (revision and redesignation of ANSI/TIA 603-E-2016,
Inquiries may be directed to Teesha Jenkins; standards-process@tiaonline.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.

ASTM (ASTM International)

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

ANSI/ASTM F395-2019, Terminology Relating to Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F420-1999 (R2014), Test Method for Access Depth Under Furniture of Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F430-2013 (R2018), Specification for Paper Used for Vacuum Cleaner Filter Bags
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F431-2021, Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F450-2013 (R2020), Test Methods for Vacuum Cleaner Hose - Durability and Reliability (Plastic)
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F486-2001 (R2018), Practice for Preparation of Use and Care Booklets for Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F494-2011 (R2016), Test Methods for Evaluating Primary Disposable Bag Integrity for Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F555-2006 (R2016), Test Method for Motor Life Evaluation of an Upright Vacuum Cleaner
Questions may be directed to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM F558-2021, Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F608-2018, Test Method for Evaluation of Carpet Embedded Dirt Removal Effectiveness of Household/Commercial Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F655-2013, Specification for Test Carpets and Pads for Vacuum Cleaner Testing
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F820-2021, Test Method for Measuring Air Performance Characteristics of Central Vacuum Cleaning Systems
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F884-2011 (R2016), Test Method for Motor Life Evaluation of a Built-In (Central Vacuum) Vacuum Cleaner
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F888-2011 (R2018), Test Method for Measuring Maximum Function Volume of the Primary Dirt Receptacle in a Vacuum Cleaner
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F922-2011 (R2016), Test Method for Motor Life Evaluation of an Electric Motorized Nozzle
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1038-1999 (R2016), Test Method for Motor Life Evaluation of a Canister, Hand-Held, Stick, and Utility Type Vacuum Cleaner Without a Driven Agitator
Questions may be directed to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM F1284-2009 (R2016), Test Method for Evaluating Carpet Embedded Dirt Removal Effectiveness of Residential Central Vacuum Cleaning Systems

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1326-2011 (R2016), Test Method for Measuring Maximum Dry Volume of Utility Vacuum Cleaners

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1334-2018, Test Method for Determining A-Weighted Sound Power Level of Vacuum Cleaners

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1409-2016, Test Method for Straight Line Movement of Vacuum Cleaners While Cleaning Carpets

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1410-2011 (R2016), Test Method for Measuring Maximum Functional Wet Volume of Utility Vacuum Cleaners

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1411-2011 (R2018), Practice for Presenting Selected Information on Vacuum Cleaners for Consumer Use

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1601-2011 (R2016), Test Method for Motor Life Evaluation of an Electric Motorized Nozzle for Central Vacuum Cleaning Systems

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F1692-2011 (R2016), Test Method for Life Evaluation of a Turbine-Powered Nozzle for Household Central Vacuum Cleaning Systems

Questions may be directed to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM F1977-2004 (R2017), Test Method for Determining Initial, Fractional, Filtration Efficiency of a Vacuum Cleaner System

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2105-2021, Test Method for Measuring Air Performance Characteristics of Vacuum Cleaner Motor/Fan Systems

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2158-2008 (R2016), Specification for Residential Central-Vacuum Tube and Fittings

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2544-2011 (R2018), Test Method for Determining A-Weighted Sound Power Level of Central Vacuum Power Units

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2607-2008 (R2014), Test Method for Measuring the Hard Surface Floor-Cleaning Ability of Household/Commercial Vacuum Cleaners

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2608-2015, Test Method for Determining the Change in Room Air Particulate Counts as a Result of the Vacuum Cleaning Process

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2609-2011 (R2021), Test Method for Litter-Cleaning Effectiveness of Vacuum Cleaners

Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2647-2007 (R2016), Guide for Approved Methods of Installing a CVS (Central Vacuum System)

Questions may be directed to: Corice Leonard; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ASTM (ASTM International)

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

ANSI/ASTM F2756-2011 (R2016), Test Method for Determining Energy Consumption of Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2797-2019, Reinstatement of Test Method for Evaluating Edge Cleaning Effectiveness of Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2826-2014 (R2018), Test Method for Evaluating the Sustained Air Performance and Exhaust Emission Efficiencies of Central Vacuum Cleaning Units
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2828-2020, Test Method for Assessing Carpet Cleaning Effectiveness in Terms of Visual Appearance Change When Cleaned with a Wet Extraction Cleaning System
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F2863-2011 (R2016), Specification for Central Vacuum Hose Inlet Valve Socket Dimensions
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F3150-2018, Specification for HEPA Filtration System Performance of Residential and Commercial Vacuum Cleaners
Questions may be directed to: Corice Leonard; accreditation@astm.org

ASTM (ASTM International)

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

ANSI/ASTM F3453-2020, Test Methods for Dry-Cleaning robots for household or similar use - Methods of measuring performance
Questions may be directed to: Corice Leonard; accreditation@astm.org

Final Actions on American National Standards

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

ATCC (American Type Culture Collection)

10801 University Boulevard, Manassas, VA 20110-2209 (703) 365-2700 ext. 2546 www.atcc.org

Revision

ANSI/ATCC ASN-0002-2021, Authentication of Human Cell Lines: Standardization of Short Tandem Repeat (STR) Profiling (revision of ANSI/ATCC ASN-0002-2011) Final Action Date: 4/23/2021

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 (202) 434-8843 wwwatis.org

Supplement

ANSI/ATIS 1000678.v4.a-2021, Lawfully Authorized Electronic Surveillance (LAES) for Voice over Internet Protocol and Rich Communications Services Messaging in Wireline and Broadband Telecommunications Networks, Version 4 (supplement to ANSI/ATIS 1000678.v4-2020) Final Action Date: 4/20/2021

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 (216) 524-4990 www.csagroup.org

Reaffirmation

ANSI Z21.94-2005 (R2021), ANSI Z21.94a-2007 (R2021), Automatic Flammable Vapor Sensor Systems and Components (reaffirmation of ANSI Z21.94-2005 (R2016), ANSI Z21.94a-2007 (R2016)) Final Action Date: 4/22/2021

Revision

ANSI/CSA Z21.47/CSA 2.3-2021, Gas-fired central furnaces (revision and redesignation of ANSI Z21.47-2016) Final Action Date: 4/21/2021

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

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

Revision

ANSI N42.53-2021, Standard Performance Criteria for Backpack- Based Radiation-Detection Systems Used for Homeland Security (revision of ANSI N42.53-2013) Final Action Date: 4/21/2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

ANSI NEMA HP 5-2021, Electrical and Electronic Crosslinked, Modified Polyethylene (XLPE) Insulated 125°C Hook-Up Wire, Types L (600 V), LL (1000 V), and LX (3000 V) (revision of ANSI/NEMA HP 5-2013) Final Action Date: 4/22/2021

Revision

ANSI NEMA HP 8-2021, Electrical and Electronic Cross-Linked, Modified Low-Smoke Polyolefin (XLPO) Insulated Hook-Up Wire, Types LS (rated 105°C; 600 V), ZHDM (rated 90°C; 600 V), ZHDH (rated 90°C; 600 V), ZH (rated 125°C; 600 V), and ZHX (rated 125°C; 1000 V) (revision of ANSI/NEMA HP 8-2013) Final Action Date: 4/22/2021

NFPA (National Fire Protection Association)

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

Revision

ANSI/NFPA 350-2022, Guide for Safe Confined Space Entry and Work (revision of ANSI/NFPA 350-2019) Final Action Date: 4/17/2021

NPPC (National Pork Producers Council)

1330 21st Street (c/o KCOE), Suite 200, Sacramento, CA 95811 (916) 287-2193 www.nppc.org

Reaffirmation

ANSI/GELPP 0001-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0001-2002 - Concentrated Livestock Operations - General Site Conditions (reaffirmation of ANSI/GELPP 0001-2002 (R2012)) Final Action Date: 4/26/2021

Reaffirmation

ANSI/GELPP 0002-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0002-2002 - Concentrated Livestock Operations - Production Areas (reaffirmation of ANSI/GELPP 0002-2002 (R2012)) Final Action Date: 4/26/2021

Reaffirmation

ANSI/GELPP 0003-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0003-2002 - Concentrated Livestock Operations - Outdoor Manure and Storm Water Storage (reaffirmation of ANSI/GELPP 0003-2002 (R2012)) Final Action Date: 4/21/2021

Reaffirmation

ANSI/GELPP 0004-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0004-2002 - Concentrated Livestock Operations - Manure Utilization (reaffirmation of ANSI/GELPP 0004-2002 (R2012)) Final Action Date: 4/26/2021

Reaffirmation

ANSI/GELPP 0005-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0005-2002 - Concentrated Livestock Operations - Mortality Management (reaffirmation of ANSI/GELPP 0005-2002 (R2012)) Final Action Date: 4/21/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 (734) 827-6866 www.nsf.org

Revision

ANSI/NSF 455-2-2021 (i18r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 4/19/2021

Revision

ANSI/NSF 455-2-2021 (i20r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 4/20/2021

Revision

ANSI/NSF 456-2021 (i2r1), Vaccine Storage (revision of ANSI/NSF 456-2021) Final Action Date: 4/25/2021

Revision

ANSI/NSF 456-2021 (i3r1), Vaccine Storage (revision of ANSI/NSF 456-2021) Final Action Date: 4/25/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 (734) 827-6866 www.nsf.org

Revision

ANSI/NSF 456-2021 (i4r1), Vaccine Storage (revision of ANSI/NSF 456-2021) Final Action Date: 4/25/2021

Revision

ANSI/NSF/CAN 60-2021 (i93r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2020) Final Action Date: 4/20/2021

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

ANSI/SCTE 35-2020, Digital Program Insertion Cueing Message (revision of ANSI/SCTE 35-2019a) Final Action Date: 4/20/2021

Revision

ANSI/SCTE 186-2021, Product Physical, Environmental, Electrical, Sustainability, and Quality Requirements for Cable Telecommunications (revision of ANSI/SCTE 186-2016) Final Action Date: 4/19/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 (919) 549-1479 <https://ul.org/>

Revision

ANSI/UL 1439-2021, Standard for Tests for Sharpness of Edges on Equipment (revision of ANSI/UL 1439-2013 (R2018)) Final Action Date: 4/21/2021

Call for Members (ANS Consensus Bodies)

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

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Grand Rapids, MI 49504 (616) 443-5053 www.bifma.org

Steven Kooy; skooy@bifma.org

BSR/BIFMA X8.1-202X, Furniture Surfaces: Design and Durability for Cleaning, Sanitizing, and Disinfecting (new standard)

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 (216) 241-7333 www.fluidcontrolsinstitute.org

Leslie Schraff; fci@fluidcontrolsinstitute.org

BSR/FCI 87-1-202x, Classification and Operating Principles of Steam Traps (revision of ANSI/FCI 87-1-2017)

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

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

Deborah Spittle; comments@standards.incits.org

INCITS/ISO/IEC 14496-32:2021 [202x], Information technology - Coding of audio-visual objects - Part 32: File format reference software and conformance (identical national adoption of ISO/IEC 14496-32:2021)

INCITS/ISO/IEC 21823-1:2019 [202x], Internet of things (IoT) - Interoperability for IoT systems - Part 1: Framework (identical national adoption of ISO/IEC 21823-1:2019)

INCITS/ISO/IEC 21823-2:2020 [202x], Internet of things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability (identical national adoption of ISO/IEC 21823-2:2020)

INCITS/ISO/IEC 23002-7:2021 [202x], Information technology - MPEG video technologies - Part 7: Versatile supplemental enhancement information messages for coded video bitstreams (identical national adoption of ISO/IEC 23002-7:2021)

INCITS/ISO/IEC 29182-7:2015 [202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 7: Interoperability guidelines (identical national adoption of ISO/IEC 29182-7:2015)

INCITS/ISO/IEC 30140-1:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 1: Overview and requirements (identical national adoption of ISO/IEC 30140-1:2018)

INCITS/ISO/IEC 30140-3:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 3: Entities and interface (identical national adoption of ISO/IEC 30140-3:2018)

INCITS/ISO/IEC 30140-4:2018 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Part 4: Interoperability (identical national adoption of ISO/IEC 30140-4:2018)

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

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

INCITS/ISO/IEC 20924:2021 [202x], Information technology - Internet of Things (IoT) - Vocabulary
(identical national adoption of ISO/IEC 20924:2021)

INCITS/ISO/IEC 30101:2014 [202x], Information technology - Sensor networks: Sensor network and its interfaces for smart grid system (identical national adoption of ISO/IEC 30101:2014)

INCITS/ISO/IEC 30128:2014 [202x], Information technology - Sensor networks - Generic Sensor Network Application Interface (identical national adoption of ISO/IEC 30128:2014)

INCITS/ISO/IEC 30141:2018 [202x], Internet of Things (IoT) - Reference Architecture (identical national adoption of ISO/IEC 30141:2018)

INCITS/ISO/IEC 30142:2020 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Network management system overview and requirements (identical national adoption of ISO/IEC 30142:2020)

INCITS/ISO/IEC 30143:2020 [202x], Information technology - Underwater acoustic sensor network (UWASN) - Application profiles (identical national adoption of ISO/IEC 30143:2020)

INCITS/ISO/IEC 30141:2018/COR1:2018 [202x], Internet of Things (IoT) - Reference Architecture - Technical Corrigendum 1 (identical national adoption of ISO/IEC 30141:2018/COR1:2018)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 (703) 841-3288 www.nema.org

Kezhen Shen; Kezhen.Shen@nema.org

BSR/NEMA FB-1-2014 (R202x), Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing, and Cable (reaffirmation of ANSI/NEMA FB-1-2014)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 (734) 827-6866 www.nsf.org

Rachel Brooker; rbrooker@nsf.org

BSR/NSF 455-3-202x (i25r1), NSF 455-3-2021: Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)

BSR/NSF 455-3-202x (i26r1), NSF 455-3-2021: Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2019)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 (703) 907-7706 www.tiaonline.org

Teesha Jenkins; standards-process@tiaonline.org

BSR/TIA 102.AACA-B-202x, Project 25 - Digital Radio Over-The-Air-Rekeying (OTAR) Messages and Procedures (revision and redesignation of ANSI/TIA 102.AACA-A-2014)

BSR/TIA 604-10C-202x, FOCIS-10 - Fiber Optic Connector Interoperability Standard, Type LC (revision and redesignation of ANSI/TIA 604-10B-2008 (R2015))

BSR/TIA 604-19-202x, FOCIS 19-Fiber Optic Connector Interoperability Standard- Type: CS Connector (new standard)

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

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

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees.

Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

American National Standards (ANS) Announcements

Continued Stabilized Maintenance

ITI (INCITS) (InterNational Committee for Information Technology Standards

Notification Regarding Continued Stabilized Maintenance Option for 2021

Notice of ITI (INCITS) Standards to Continue as American National Standards (ANS) under Stabilized Maintenance. This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements). On April 15, 2021, the INCITS Executive Board completed their approval for the 10-year stabilized maintenance action for the standards listed below via ballot LB7684. It has been determined with this approval that these standards that were stabilized in 2011, shall continue to be maintained under the stabilized maintenance option.

For inquiries please contact: Deborah Spittle; (comments@standards.incits.org)

- INCITS 103-1983 [S2021], Unrecorded Magnetic Tape Mini-cassette For Information Interchange, Coplanar 3.81 mm (0.150 Inch)
- INCITS 121-1984 [S2021], Two-Sided Unformatted 8-Inch (200 MM) Double Density Flexible Disk Cartridge (For 13262 FTPR Two-headed Application)
- INCITS 125-1985 [S2021], Two-Sided, Double-Density, Unformatted 5.25 Inch (130 mm) 48 Tracks per Inch (1.9 Tracks per mm) Flexible Disk Cartridge, General, Physical, and Magnetic Requirements (for 7958 BPR use)
- INCITS 14-1983 [S2021], Recorded Magnetic Tape for Information Interchange (200 CPI, NRZI)
- INCITS 164-1990 [S2021], Unrecorded Magnetic Tape Cassette for Information Interchange 3.81 mm (0.150 In), 252 to 394 ftppmm (6400 to 10000 fpti)
- INCITS 180-1990 [S2021], Magnetic Tape and Cartridge for Information Interchange, 18-Track, Parallel, 12.65mm (1/2 in.) 1491 cpmm (37 871 cpi) Group-Coded, Requirements for Recording
- INCITS 181-1990 [S2021], Recorded Magnetic Tape Cartridge for Information Interchange 0.500 in, 22 and 48 Tracks Serial Serpentine, 6 667 and 10 000 bpi
- INCITS 187-1990 [S2021], Recorded Magnetic Tape for Longitudinal Recording of Instrumentation Data-Interchange
- INCITS 22-1983 [S2021], Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI)
- INCITS 223-1995 [S2021], Information Technology - Data Compression Algorithm - Adaptive Coding with Embedded Dictionary (DCLZ Algorithm) for Information Interchange
- INCITS 227-1996 [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange - Serial, 0.250 in (6.30 mm) 20 Tracks, 10 000 bpi (394 bpmm) and 28-Track, 14 700 bpi (579 bpmm), MFM Encoded
- INCITS 237-1995 [S2021], Fiber Distributed Data Interface (FDDI) Low-Cost Fiber Physical Layer - Medium Dependent (LCF-PMD)
- INCITS 243-1996 [S2021], Serial Magnetic Tape Cartridge for Information Interchange, 26 Tracks, 0.250 in (6.35 mm), 16 000 bpi (630 bpmm), Streaming Mode, Group Code Recording
- INCITS 245-1995 [S2021], Abstract Test Suite for FDDI Media Access Control Conformance Testing (FDDI MAC ATS)
- INCITS 248-1996 [S2021], Information Technology - Fibre Distributed Data Interface (FDDI) - Abstract Test Suite for FDDI Physical Layer Protocol Conformance Testing (FDDI PHY ATS)
- INCITS 250-1996 [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange, 0.250 in (630 mm)12 and 24 Track,10000 bpi (394 bpmm) GCR
- INCITS 255-1996 [S2021], Abstract Test Suite for FDDI Physical Medium Dependent Conformance Testing (FDDI PMD ATS)

American National Standards (ANS) Announcements

Continued Stabilized Maintenance

ITI (INCITS) (InterNational Committee for Information Technology Standards

Notification Regarding Continued Stabilized Maintenance Option for 2021

- INCITS 261-1996 [S2021], Extended Magnetic Tape Format for Information Interchange 36-track, Parallel Serpentine, 12.65 mm (0.50 in), 1491 cpmm (37 871 cpi) Group-Coded Recording
- INCITS 264-1996 [S2021], Unrecorded Helical-Scan Digital Computer Tape Cartridge for Information Interchange, 19 mm (0.748 in) Type D-1
- INCITS 265-1995 [S2021], Unrecorded Magnetic Tape Cartridge for Information Interchange, 36-Track, Parallel Serpentine, Extended Length, 12.57 mm (0.495 in), 1944 ftpmm (49 378 fpi), Group-Coded Recording
- INCITS 266-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm), Serial Serpentine, 112-Track, 42 500 bpi (1673 bpmm)(DLT2 Format)
- INCITS 267-1996 [S2021], Helical-Scan Digital Computer Tape Cartridge, 12.65 mm (0.498 in) for Information Interchange
- INCITS 280-1996 [S2021], Data Compression Algorithm Adaptive Lossless Data Compression (ALDC), Algorithm for Information Interchange
- INCITS 282-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm) Serial Serpentine, 128-Track, 62 500 bpi (2460 bpmm), DLT3 Format
- INCITS 344-2001 [S2021], Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format
- INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5. in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format
- INCITS 82-1980 [S2021], One-Sided Single-Density Unformatted 5.25 Inch Flexible Disk Cartridge
- INCITS/ISO/IEC 12088-4:1995 [S2021], Information technology - Computer graphics and image processing - Image processing and interchange - Application program interface language bindings
- INCITS/ISO/IEC 13714:1995 [S2021], Information Technology - User Interface to Telephone-based Services: Voice Messaging Applications
- INCITS/ISO/IEC 13842:1995 [S2021], Information Technology - 130 mm optical disk cartridges for information interchange - Capacity: 2 Gbytes per cartridge
- INCITS/ISO/IEC 15286:1999 [S2021], Information technology - 130 mm Rewritable and Read-only Optical Disk Cartridge, Capacity: 5,2 Gigabytes per Cartridge for Information Interchange
- INCITS/ISO/IEC 17462:2000 [S2021], Information technology - 3,81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical scan recording - DDS-4 Format
- INCITS/ISO/IEC 18093:1999 [S2021], Information technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 5,2 Gbytes per Cartridge
- INCITS/ISO/IEC 18836:2001 [S2021], Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - Mammoth Type-2 Format
- INCITS 124.1-1985 [S2021], FORTRAN Binding of Graphical Kernel System (GKS)
- INCITS/ISO/IEC 12087-3:1995/AM 1:1996 [S2021], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 3: Image Interchange Facility - Amendment 1: Type definition, scoping and logical views for image interchange
- INCITS/ISO/IEC 12087-3:1995 [S2021], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 3: Image Interchange Facility

American National Standards (ANS) Announcements

Continued Stabilized Maintenance

ITI (INCITS) (InterNational Committee for Information Technology Standards

Notification Regarding Continued Stabilized Maintenance Option for 2021

- INCITS/ISO/IEC 9593-1:1990/AM 1:1995 [S2021], Information processing systems - Computer graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 1: Fortran - Amendment 1: Fortran Binding of PHIGS
- INCITS/ISO 8485:1989 [S2021], Information technology - Programming languages - APL
- INCITS 232-1996 [S2021], SCSI-2 Common Access Method Transport and SCSI Interface Module
- INCITS 269-1996 [S2021], SCSI-3 Fibre Channel Protocol (FCP)
- INCITS 293-1996 [S2021], Serial Storage Architecture - Physical Layer 1 (SSA-PH1)
- INCITS 294-1996 [S2021], Serial Storage Architecture - SCSI-2 Protocol (SSA-S2P)
- INCITS 295-1996 [S2021], Serial Storage Architecture - Transport Layer-1 (SSA-TL1)

Corrections

UL - Underwriters Laboratories

ANSI/UL 1286-2021 Title Change

ANSI UL 1286-2021, was published in the 4/23/2021 Final Actions section with the Title "***Standard for Safety for Office Furnishings***". However, the title has been changed to "***Standard for Safety for Office Furnishings Systems***". Please direct inquiries to: Elizabeth Northcott; (Elizabeth.Northcott@ul.org).

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ACP - American Clean Power Association

Effective April 28, 2021

The reaccreditation of **ACP - American Clean Power Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ACP-sponsored American National Standards, effective **April 28, 2021**. For additional information, please contact: Michele Mihelic, Sr. Director, Policy and Regulatory Affairs, Asset Management and Standards Development, American Clean Power Association (ACP) - 1501 M Street, NW, , Suite 1000, Washington, DC 20005 (202) 383-2500 standards@aweа.org

Approval of Reaccreditation – ASD

AVIXA - Audiovisual and Integrated Experience Association

Effective April 26, 2021

The reaccreditation of **AVIXA - Audiovisual and Integrated Experience Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AVIXA-sponsored American National Standards, effective **April 26, 2021**. For additional information, please contact: Loanna Overcash, Audiovisual and Integrated Experience Association (AVIXA) - 11242 Waples Mill Road, Suite 200, Fairfax, VA 22030 p: (703) 273-7200 e: lovencash@avixa.org

Public Review of Revised ASD Operating Procedures

DirectTrust - DirectTrust.org, Inc

Comment Deadline: May 31, 2021

The **DirectTrust - DirectTrust.org, Inc.**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on DirectTrust-sponsored American National Standards, under which it was last accredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Billie Zidek, DirectTrust.org, Inc. (DirectTrust) - 1629 K Street NW, Suite 300, Washington, DC 20006 p: (240) 289-3922 e: wiz4155@yahoo.com

You may view/download a copy of the revisions during the public review period at this URL:

Please submit any public comments on the revised procedures to DirectTrust by **May 31, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

EOS/ESD - ESD Association, Inc

Comment Deadline: May 31, 2021

The **EOS/ESD - ESD Association, Inc.**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on EOS/ESD-sponsored American National Standards, under which it was last reaccredited in 2014. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Christina Earl, Standards Program Manager, ESD Association, Inc. (EOS/ESD) - 7900 Turin Road, Building 3, Rome, NY 13440 p: (315) 339-6937 e: cpearl@esda.org

You may view/download a copy of the revisions during the public review period at this URL:

Please submit any public comments on the revised procedures to EOS/ESD by **May 31, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Public Review of Revised ASD Operating Procedures

PMI (Organization) - Project Management Institut

Comment Deadline: May 31, 2021

The **PMI (Organization) - Project Management Institute**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on PMI (Organization)-sponsored American National Standards, under which it was last reaccredited in 2020. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Lorna Scheel, Standards Compliance Specialist, Project Management Institute (PMI (Organization)) - 14 Campus Boulevard, Newtown Square, PA 19073 -3299 p: (313) 404-3507; e: Lorna.Scheel@pmi.org

You may view/download a copy of the revisions during the public review period at this URL:

Please submit any public comments on the revised procedures to PMI by **May 31, 2021**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

LIA (ASC Z136) - Laser Institute of America - Safe Use of Lasers

Annual Meeting via Zoom: May 25, 2021 | 10am - 4pm EDT

The LIA (ASC Z136) - Laser Institute of America - Safe Use of Lasers announces the 2021 Standards Committee Annual Meeting. The Z136 Standards Committee for Safe Use of Lasers is holding its annual meeting via Zoom webconference to discuss progress on Z136 standards development activities and review membership. This meeting is for members of the Z136 Standards Committee and is also open to observers (non-members). Individuals and organizations having an interest in the Committee's work may attend meetings as observers. Observers may submit comments for consideration, but shall have no vote.

When: May 25, 2021 | 10am - 4pm EDT

Where: [Zoom.us](#)

Cost to Attend: Free

Contact Liliana Caldero (lcaldero@lia.org) to request the Zoom registration link or to ask questions about the meeting. Online registration is required in order to receive the Zoom event URL. A computer capable of running Zoom and a stable internet connection will be necessary for participation - a video camera is not required. Computer audio (microphone) will be used for live questions, and the 'raise hands' feature will be used to ask for the floor. The Zoom chat feature will be enabled for participants.

American National Standards (ANS) Process

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

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

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

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

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

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

American National Standards Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers Contacts

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

AAFS

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

ASSP (Safety)

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
e: LBauerschmidt@assp.org
p: (847) 768-3475
www.assp.org

AWS

American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
e: jrosario@aws.org
p: (800) 443-9353
www.aws.org

ABYC

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

ASTM

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

AWS (ASC Z49)

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

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
e: bralowerp@ada.org
p: (312) 587-4129
www.ada.org

ATCC

American Type Culture Collection
10801 University Boulevard
Manassas, VA 20110-2209
e: ssass@atcc.org
p: (703) 365-2700
www.atcc.org

BIFMA

Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW
Grand Rapids, MI 49504
e: skooy@bifma.org
p: (616) 443-5053
www.bifma.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
e: mweber@ashrae.org
p: (678) 539-1214
www.ashrae.org

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
e: akarditzas@atis.org
p: (202) 434-8843
www.atis.org

CSA

CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
e: ansi.contact@csagroup.org
p: (216) 524-4990
www.csagroup.org

ESTA

Entertainment Services and Technology Association
 271 Cadman Plaza
 P.O. Box 23200
 Brooklyn, NY 11202-3200
 e: standards@esta.org
 p: (212) 244-1505
 www.estा.org

NEMA (ASC C8)

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

NSF

NSF International
 789 N. Dixboro Road
 Ann Arbor, MI 48105-9723
 e: rbrooker@nsf.org
 p: (734) 827-6866
 www.nsf.org

FCI

Fluid Controls Institute
 1300 Sumner Avenue
 Cleveland, OH 44115
 e: fci@fluidcontrolsinstitute.org
 p: (216) 241-7333
 www.fluidcontrolsinstitute.org

NEMA (Canvass)

National Electrical Manufacturers Association
 1300 North 17th Street
 Suite 900
 Arlington, VA 22209
 e: Kezhen.Shen@nema.org
 p: (703) 841-3288
 www.nema.org

SCTE

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

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
 18927 Hickory Creek Drive
 Suite 220
 Mokena, IL 60448
 e: terry.burger@asse-plumbing.org
 p: (909) 519-0740
 www.asse-plumbing.org

NFPA

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

TIA

Telecommunications Industry Association
 1320 North Courthouse Road
 Suite 200
 Arlington, VA 22201
 e: standards-process@tiaonline.org
 p: (703) 907-7706
 www.tiaonline.org

IEEE (ASC C63)

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

NPPC

National Pork Producers Council
 1330 21st Street (c/o KCOE)
 Suite 200
 Sacramento, CA 95811
 e: lisa.becker@kcoe.com
 p: (916) 287-2193
 www.nppc.org

UL

Underwriters Laboratories
 12 Laboratory Drive
 Research Triangle Park, NC 27709
 -3995
 e: Jonette.A.Herman@ul.org
 p: (919) 549-1479
 https://ul.org/

ITI (INCITS)

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

NSF

NSF International
 789 N. Dixboro Road
 Ann Arbor, MI 48105-9723
 e: mleslie@nsf.org
 p: (734) 827-5643
 www.nsf.org

UL

Underwriters Laboratories
 12 Laboratory Drive
 Research Triangle Park, NC 27709
 -3995
 e: Julio.Morales@UL.org
 p: (919) 549-1097
 https://ul.org/

UL

Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
e: Nicolette.A.Weeks@ul.org
p: (919) 549-0973
<https://ul.org/>

UL

Underwriters Laboratories
171 Nepean Street
Suite 400
Ottawa, ON K2P 0B4 Canada
e: kevin.hf.wu@ul.org
p: (613) 368-4437
<https://ul.org/>

UL

Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: alan.t.mcgrath@ul.org
p: (847) 664-3038
<https://ul.org/>

UL

Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Linda.L.Plinney@ul.org
p: (510) 319-4297
<https://ul.org/>

ISO Draft International Standards



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

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

AGEING SOCIETIES (TC 314)

ISO/DIS 25550, Ageing societies - Guidelines for an age-inclusive workforce - 11/13/2008, \$119.00

ISO/DIS 25551, Ageing societies - Guidelines for carer-inclusive organizations - 11/12/2018, \$77.00

ISO/DIS 25552, Ageing societies - Framework for dementia-inclusive communities - 11/2/2010, \$107.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 23134, Coffee and coffee products - Determination of particle size of ground roasted coffee - Horizontal sieving motion method-using circular brushes - 7/10/2021, \$58.00

AIR QUALITY (TC 146)

ISO/DIS 15259, Air quality - Measurement of stationary source emissions - Requirements for measurement sections and sites and for the measurement objective, plan and report - 7/11/2021, \$146.00

ISO/DIS 20181, Stationary source emissions - Quality assurance of automated measuring systems - 7/11/2021, \$146.00

ISO/FDIS 12219-1, Interior air of road vehicles - Part 1: Whole vehicle test chamber - Specification and method for the determination of volatile organic compounds in cabin interiors - 11/7/2017, \$93.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 23835, Space Systems - Mechanism design and verification - 7/9/2021, \$98.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 3951-6, Sampling procedures for inspection by variables - Part 6: Specification for single sampling plans indexed by limiting quality (LQ) for isolated lot inspection for a single quality characteristic and a single LQ - 7/9/2021, \$125.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 5009, Financial services - Official organizational roles - Scheme for official organizational roles - 11/5/2022, \$40.00

ISO/DIS 11568, Financial services - Key management (retail) - Principles, symmetric ciphers and asymmetric cryptosystems, their key management and life cycle - 11/6/2019, \$175.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/DIS 29463-5, High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements - 11/6/2019, \$88.00

DENTISTRY (TC 106)

ISO/DIS 18618, Dentistry - Interoperability of CAD/CAM systems - 11/6/2019, \$134.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

ISO/DIS 9735-11, Electronic data interchange for administration, commerce and transport (EDIFACT) - Application level syntax rules (Syntax version number: 4, Syntax release number: 1) - Part 11: Version 3 compatible profile for Version 4 of ISO 9735 - 11/5/2021, \$58.00

ESSENTIAL OILS (TC 54)

ISO/DIS 3520, Essential oil of bergamot [Citrus bergamia Risso & Poit], Calabrian type - 7/9/2021, \$40.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 8132, Hydraulic fluid power - Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series - 7/9/2021, \$67.00

ISO/DIS 8133, Hydraulic fluid power - Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) compact series - 7/9/2021, \$67.00

ISO/DIS 16889.2, Hydraulic fluid power - Filters - Multi-pass method for evaluating filtration performance of a filter element - 11/5/2022, \$112.00

JEWELLERY (TC 174)

ISO/DIS 11596, Jewellery and precious metals - Sampling of precious metals and precious metal alloys - 11/6/2019, \$58.00

LEATHER (TC 120)

ISO/DIS 5431, Leather - Wet blue goat skins - Specification - 7/9/2021, \$33.00

ISO/DIS 5432, Leather - Wet blue sheep skins - Specification - 7/9/2021, \$33.00

ISO/DIS 5433, Leather - Bovine wet blue - Specification - 7/9/2021, \$40.00

MECHANICAL TESTING OF METALS (TC 164)

ISO/FDIS 12135, Metallic materials - Unified method of test for the determination of quasistatic fracture toughness - 11/2/2030, \$155.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 10813-4, Vibration generating machines - Guidance for selection - Part 4: Equipment for multi-axial environmental testing - 7/12/2021, \$107.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 23018, Group-averaged neutron and gamma-ray cross sections for radiation protection and shielding calculations for nuclear reactors - 7/11/2021, \$53.00

ISO/ASTM DIS 51900, Guide for dosimetry in radiation research on food and agricultural products - 7/10/2021, FREE

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 9211-4, Optics and photonics - Optical coatings - Part 4: Specific test methods: Abrasion, adhesion and resistance to water - 7/11/2021, \$67.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 16925, Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting - 7/12/2021, \$67.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/FDIS 22854, Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method - 11/4/2012, \$82.00

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

ISO 15874-1/DAm1, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General - Amendment 1: Impact test - Amendment 1: Impact test - 7/11/2021, \$29.00

ISO 15874-2/DAm2, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes - Amendment 2 - 7/12/2021, \$33.00

ROAD VEHICLES (TC 22)

ISO/DIS 23828, Fuel cell road vehicles - Energy consumption measurement - Vehicles fuelled with compressed hydrogen - 7/4/2021, \$107.00

ISO/DIS 6469-2, Electrically propelled road vehicles - Safety specifications - Part 2: Vehicle operational safety - 11/5/2021, \$46.00

ISO/DIS 7637-2, Road vehicles - Electrical disturbances by conduction and coupling - Part 2: Electrical transient conduction along supply lines - 7/12/2021, \$134.00

ISO/DIS 11451-4, Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods - 7/9/2021, \$82.00

ISO/DIS 15118-9, Road vehicles - Vehicle to grid communication interface - Part 9: Physical and data link layer conformance test for wireless communication - 7/10/2021, \$134.00

ISO/DIS 26021-3, Road vehicles - End-of-life activation of in-vehicle pyrotechnic devices - Part 3: Data definitions - 7/9/2021, \$62.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 4645, Rubber and rubber products - Guide to the identification of antidegradants - Thin layer chromatographic methods - 7/11/2021, \$53.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 7547, Ships and marine technology - Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships - Design conditions and basis of calculations - 11/5/2021, \$82.00

ISO/DIS 799-3, Ships and marine technology - Pilot ladders - Part 3: Attachments and associated equipment - 7/12/2021, \$40.00

ISO/DIS 22834, Large yachts - Quality assessment of life onboard - Stabilization/sea keeping - 11/5/2021, \$62.00

SMALL TOOLS (TC 29)

ISO/DIS 603-14, Bonded abrasive products - Dimensions - Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder - 11/5/2021, \$53.00

ISO/DIS 603-15, Bonded abrasive products - Dimensions - Part 15: Cutting-off wheels on stationary or mobile cutting-off machines - 11/5/2021, \$40.00

ISO/DIS 603-16, Bonded abrasive products - Dimensions - Part 16: Cutting-off wheels on hand held power tools - 11/5/2021, \$33.00

STEEL (TC 17)

ISO/FDIS 4954, Steels for cold heading and cold extruding -, \$134.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO 20342-1/DAm1, Assistive products for tissue integrity when lying down - Part 1: General requirements - Amendment 1 - 7/9/2021, \$33.00

ISO/DIS 7176-32, Wheelchairs - Part 32: Standard practice for wheelchair castor durability testing - 7/11/2021, \$58.00

TYRES, RIMS AND VALVES (TC 31)

ISO/FDIS 4000-1, Passenger car tyres and rims - Part 1: Tyres (metric series) - 11/6/2021, \$125.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23634, Information technology - Automatic identification and data capture techniques - JAB Code polychrome bar code symbology specification - 11/5/2018, \$146.00

ISO/IEC DIS 38507, Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations - 11/6/2019, \$88.00

ISO/IEC DIS 21122-2, Information technology - JPEG XS low-latency lightweight image coding system - Part 2: Profiles and buffer models - 11/6/2019, \$119.00

ISO/IEC DIS 23003-7, Information technology - MPEG audio technologies - Part 7: Unified speech and audio coding conformance testing - 11/6/2019, \$119.00



Newly Published ISO & IEC Standards

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 23036-1:2021](#), Microbiology of the food chain - Methods for the detection of Anisakidae L3 larvae in fish and fishery products - Part 1: UV-press method, \$73.00

[ISO 23036-2:2021](#), Microbiology of the food chain - Methods for the detection of Anisakidae L3 larvae in fish and fishery products - Part 2: Artificial digestion method, \$73.00

AIR QUALITY (TC 146)

[ISO 23506:2021](#), Workplace air - Analysis of airborne water immiscible mineral oil droplets and vapor with Fourier - Transform infrared spectroscopy, \$149.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 16337:2021](#), Application of statistical and related methods to new technology and product development process - Robust tolerance design (RTD), \$149.00

DENTISTRY (TC 106)

[ISO 23940:2021](#), Dentistry - Excavators, \$73.00

LEARNING SERVICES FOR NON-FORMAL EDUCATION AND TRAINING (TC 232)

[ISO 29994:2021](#), Education and learning services - Requirements for distance learning, \$73.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 23131:2021](#), Ellipsometry - Principles, \$111.00

MICROBEAM ANALYSIS (TC 202)

[ISO 23420:2021](#), Microbeam analysis - Analytical electron microscopy - Method for the determination of energy resolution for electron energy loss spectrum analysis, \$175.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 23364:2021](#), Optics and Photonics - Bulk absorption optical filters, \$149.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 12625-17:2021](#), Tissue paper and tissue products - Part 17: Determination of disintegration in water, \$111.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 9038:2021](#), Determination of sustained combustibility of liquids, \$73.00

PLASTICS (TC 61)

[ISO 4216:2021](#), Thermosetting resin and UV curable resin - Determination of shrinkage by continuous measurement method, \$111.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

[ISO 10014:2021](#), Quality management systems - Managing an organization for quality results - Guidance for realizing financial and economic benefits, \$149.00

ROAD VEHICLES (TC 22)

[ISO 20730-1:2021](#), Road vehicles - Vehicle interface for electronic Periodic Technical Inspection (ePTI) - Part 1: Application and communication requirements, \$200.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 7233:2021](#), Rubber and plastics hoses and hose assemblies - Determination of resistance to vacuum, \$48.00

[ISO 23384:2021](#), Rubber and plastics hoses and hose assemblies, wire or textile reinforced types with working pressure equal or above 70 MPa (700 bar) - Specification, \$111.00

STEEL (TC 17)

[ISO 630-1:2021](#), Structural steels - Part 1: General technical delivery conditions for hot-rolled products, \$73.00

[ISO 630-2:2021](#), Structural steels - Part 2: Technical delivery conditions for structural steels for general purposes, \$111.00

[ISO 630-3:2021](#), Structural steels - Part 3: Technical delivery conditions for fine-grain structural steels, \$111.00

[ISO 630-4:2021](#), Structural steels - Part 4: Technical delivery conditions for high yield strength quenched and tempered structural steel plates and wide flats, \$111.00

TEXTILES (TC 38)

[ISO 1140:2021](#), Fibre ropes - Polyamide - 3-, 4-, 8- and 12-strand ropes, \$73.00

[ISO 1141:2021](#), Fibre ropes - Polyester - 3-, 4-, 8- and 12-strand ropes, \$73.00

[ISO 1346:2021](#), Fibre ropes - Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes, \$73.00

[ISO 16322-2:2021](#), Textiles - Determination of spirality after laundering - Part 2: Woven and knitted fabrics, \$111.00

[ISO 16322-3:2021](#), Textiles - Determination of spirality after laundering - Part 3: Woven and knitted garments, \$73.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 16460:2021](#), Intelligent transport systems - Localized communications - Communication protocol messages for global usage, \$200.00

[ISO 20684-1:2021](#), Intelligent transport systems - Roadside modules SNMP data interface - Part 1: Overview, \$149.00

ISO Technical Reports**SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)**

[ISO/TR 24539:2021](#), Service activities relating to drinking water supply, wastewater and stormwater systems - Examples of good practices for stormwater management, \$225.00

ISO Technical Specifications**ACOUSTICS (TC 43)**

[ISO/TS 19488:2021](#), Acoustics - Acoustic classification of dwellings, \$111.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 21481:2021](#), Information technology - Telecommunications and information exchange between systems - Near field communication interface and protocol 2 (NFCIP-2), \$48.00

[ISO/IEC 23126:2021](#), Information technology for learning, education and training - Ubiquitous learning resource organization and description framework, \$175.00

[ISO/IEC 26580:2021](#), Software and systems engineering - Methods and tools for the feature-based approach to software and systems product line engineering, \$225.00

[ISO/IEC TS 33061:2021](#), Information technology - Process assessment - Process assessment model for software life cycle processes, \$225.00

IEC Standards**INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)**

[IEC 61158-6-2 Ed. 4.0 b:2019](#), Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements, \$443.00

[IEC 61158-6-4 Ed. 3.0 b:2019](#), Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification - Type 4 elements, \$259.00

[IEC 61784-3-1 Ed. 2.0 b:2010](#), Industrial communication networks - Profiles - Part 3-1: Functional safety fieldbuses - Additional specifications for CPF 1, \$392.00

[IEC 61158-6-15 Ed. 2.0 b:2010](#), Industrial communication networks - Fieldbus specifications - Part 6-15: Application layer protocol specification - Type 15 elements, \$417.00

[IEC 61158-6-18 Ed. 2.0 b:2010](#), Industrial communication networks - Fieldbus specifications - Part 6-18: Application layer protocol specification - Type 18 elements, \$354.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 61968-3 Ed. 3.0 b:2021](#), Application integration at electric utilities - System interfaces for distribution management - Part 3: Interface for network operations, \$443.00

PRIMARY CELLS AND BATTERIES (TC 35)

[IEC 60086-SER Ed. 1.0 b:2021](#), Primary batteries - ALL PARTS, \$1698.00

[IEC 60086-1 Ed. 13.0 b:2021](#), Primary batteries - Part 1: General, \$310.00

[IEC 60086-2 Ed. 14.0 en:2021](#), Primary batteries - Part 2: Physical and electrical specifications, \$354.00

[IEC 60086-3 Ed. 5.0 en:2021](#), Primary batteries - Part 3: Watch batteries, \$183.00

[S+ IEC 60086-1 Ed. 13.0 en:2021 \(Redline version\)](#), Primary batteries - Part 1: General, \$404.00

[S+ IEC 60086-3 Ed. 5.0 en:2021 \(Redline version\)](#), Primary batteries - Part 3: Watch batteries, \$239.00

SUPERCONDUCTIVITY (TC 90)

[IEC 61788-17 Ed. 2.0 en:2021](#), Superconductivity - Part 17:

Electronic characteristic measurements - Local critical current density and its distribution in large-area superconducting films,
\$310.00

[S+ IEC 61788-17 Ed. 2.0 en:2021 \(Redline version\)](#),

Superconductivity - Part 17: Electronic characteristic measurements - Local critical current density and its distribution in large-area superconducting films, \$404.00

IEC Technical Specifications**FIRE HAZARD TESTING (TC 89)**

[IEC/TS 60695-2-20 Ed. 3.0 en:2021](#), Fire hazard testing - Part 2-20:

Glowing/hot-wire based test methods - Hot wire ignition coil test method - Apparatus, verification, test method and guidance,
\$221.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 63140 Ed. 1.0 en:2021](#), Photovoltaic (PV) modules - Partial

shade endurance testing for monolithically integrated products,
\$89.00

[IEC/TS 63209-1 Ed. 1.0 en:2021](#), Photovoltaic modules - Extended-

stress testing - Part 1: Modules, \$133.00

Accreditation Announcements (U.S. TAGs to ISO)

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

TC 153, Valves

Comment Deadline: May 31, 2021

The **Manufacturers Standardization Society of the Valves and Fittings Industry, Inc. (MSS)**, an ANSI Member and Accredited Standards Developer (ASD), has submitted an Application for Accreditation for a new proposed **U.S. Technical Advisory Group (TAG) to ISO TC 153, Valves**, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact:

Ms. Kaley Garubba, Technical Coordinator, Manufacturers Standardization Society of the Valves and Fittings Industry, Inc., 127 Park Street, NE, Vienna, VA 22180; phone: 703-281-6613; email: standards@msshq.org.

Please submit any comments to MSS by May 31, 2021 (please copy jthompso@ansi.org)

International Electrotechnical Commission (IEC)

USNC/IECQ Secretariat - Organization Needed

ECC Corp is concluding its role as the USNC Secretariat for the USNC/IECQ. The USNC, therefore, is seeking to determine whether another organization is interested in assuming responsibility for this USNC/IECQ Secretariat.

Unless a new USNC/IECQ Secretariat is identified in response to this solicitation, the USNC will withdraw from international participation in the IECQ and register as a "Non-Member" of the IECQ.

If an organization is interested in the position of USNC/IECQ Secretariat, they are invited to contact Megan Pahl at mpahl@ansi.org.

Please see the scope for the USNC/IECQ below:

Scope:

The International Electrotechnical Commission Quality Assessment System for Electronic Components (IECQ) is a worldwide approval and certification system covering the supply of electronic components and associated materials and assemblies (including modules) and processes. It uses quality assessment specifications that are based on International Standards prepared by the International Electrotechnical Commission (IEC).

Membership of the IECQ System is open to any country whose industries have an interest in the day-to-day operations of the IECQ and who may have certification bodies or training providers that may wish to participate in the IECQ System and be given the right to issue international IECQ certificates.

The organization acting as the Country IECQ Member Body:

- abides by the Rules and Procedures laid down in Publications IECQ System management Basic Rules (IEC CA 01 + IECQ 01-S), IECQ Rules of Procedures and Operational Documents as amended;
- uses its best endeavors to assist in the achievement of the aims and objectives of the IECQ System;
- implements the Rules of the IECQ System and publishes documents, at the national level, that may be necessary;
- meets the financial obligations of the IECQ System;
- enters into a Memorandum of Understanding setting forth the duties and responsibilities of the IECQ Secretariat in a form acceptable to ANSI.

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidance for Advertising and Marketing Affecting Children

Comment Deadline: June 11, 2021

JISC, the ISO member body for Japan, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidance for Advertising and Marketing Affecting Children, with the following scope statement:

The proposed standard will provide principles and best practice guidelines for advertising and marketing to protect children at different ages and stages of development from harm and to promote their healthy physical and psychological growth. It is proposed to include a variety of media such as television, publications, social media and other digital platforms (podcasts, YouTube), embedded advertising into television shows, movies and games that have a direct impact on children globally including. It is also proposed to include ‘influencers’ (i.e. children being the influencers and getting paid to advertise on social media).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 11, 2021.

ISO New Work Item Proposal

Guidelines for Evaluating Standardization Benefits for Organizations

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for Evaluating Standardization Benefits for Organizations, with the following scope statement:

This document provides guidance for organizations to understand and apply the evaluation principles, methods and procedures of economic and social benefits of standardization. This document is generally useful for organizations to measure the benefits of standardization and improve their own standardization inputs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 4, 2021.

ISO New Work Item Proposal

ISO Standard on Online Game Terminology

Comment Deadline: May 28, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on ISO standard on Online Game Terminology, with the following scope statement:

This proposal specifies the definition of terms used in game research and development, operation, management, copyright, eSports, derivative production and sales.

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, May 28, 2021**.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Deoxidizers and Desiccants

Comment Deadline: June 18, 2021

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

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

Excluded:

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

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 18, 2021.

ISO Proposal for a New Field of ISO Technical Activity

District Energy System

Comment Deadline: June 4, 2021

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

Standardization of planning, operation, maintenance, optimization and application of the integrated district energy system with multiple energy carriers.

Excluding: specific energy (electricity or non-electricity) technologies, information technologies or control technologies within the scope of other ISO or IEC/TCs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 4, 2021.

International Organization for Standardization (ISO)

New Secretariats

ISO/TC 192 - Gas Turbines

Comment Deadline: May 14, 2021

Siemens Energy has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 192 secretariat to Siemens Energy. The secretariat was previously held by Siemens USA and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 192 operates under the following scope:

Standardization in the field of all aspects of gas turbine design, application, installation, operation and maintenance, including simple turbine cycles, combined cycle systems, definitions, procurement, acceptance, performance, environment (on the gas turbine itself and the external environment) and methods of test. ISO/TC 192 is responsible for preparing horizontal standards for all types of gas turbines. Work on aero gas turbine engines shall be undertaken in liaison with those technique committees having the primary responsibility.

Note: ISO/TC 20 has the primary responsibility of preparing standards relative to the specific application of gas turbines to aerospace.

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

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

TC 283, Occupational health and safety management

Meeting Time May 20, 2021, 1:00 p.m.

The **American Society of Safety Professionals (ASSP)** serves as the administrator for the U.S. Technical Advisory Group [TAG] to ANSI for the ISO TC 283 Committee. The **ISO TC 283** committee addresses **Occupational health and safety management**. The next meeting of the TAG will be held virtually on **May 20, 2021**. The meeting will start at approximately 1:00 p.m. Central Time and go for approximately two hours. Stakeholders interested in the meeting should contact Timothy Fisher, ASSP TAG Administrator at e: tfisher@assp.org

Registration of Organization Names in the United States

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

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

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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



**BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 55-2020**

Public Review Draft

**Proposed Addendum e to
Standard 55-2020, Thermal
Environmental Conditions
for Human Occupancy**

**First Public Review (April 2021)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at 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.

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

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 55-2020, *Thermal Environmental Conditions for Human Occupancy*
First Public Review Draft

(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

Addendum e to Standard 55-2020 proposes changes to the paragraph which describes the basis for the calculation of prevailing mean temperature in Section 5.4.2.1. This change eliminates an equation that is easily misused and leaves a functionally equivalent equation that cannot be misused.

[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 e to 55-2020

Revise Informative Appendix J as shown below. The remainder of Informative Appendix J is unchanged.

INFORMATIVE APPENDIX J OCCUPANT-CONTROLLED NATURALLY CONDITIONED SPACES

[...]

The input variable in the adaptive model in Figure 5-8 is prevailing mean outdoor air temperature $\overline{tpma(out)}$. This temperature is based on the arithmetic average of the mean daily outdoor temperatures over some period of days. It represents the broader external climatic environment to which building occupants have become physiologically, behaviorally, and psychologically adapted. At its simplest, $\overline{tpma(out)}$ can be approximated by the climatically normal monthly mean air temperature from the most representative local meteorological station available. When being used in conjunction with dynamic thermal simulation software in which outdoor weather data is formatted as a TMY, the preferred expression for $\overline{tpma(out)}$ is an exponentially weighted, running mean of a sequence of mean daily outdoor temperatures prior to the day in question. However, since days in the more remote past have less influence on the building occupants' comfort temperature than more recent days Equation J-1 should be used to calculate $\overline{tpma(out)}$, and this can be reflected by attaching exponentially decaying weights to the sequence of mean daily outdoor temperatures. This can be written as follows:

$$\overline{tpma(out)} = \frac{t_{e(d-1)} + \alpha t_{e(d-2)} + \alpha^2 t_{e(d-3)} + \alpha^3 t_{e(d-4)} + \dots}{(1-\alpha)} \quad (J-1)$$

$$\overline{tpma(out)} = (1-\alpha) t_{e(n-1)} + \alpha \overline{trm(n-1)} \quad (J-1)$$

where $t_{e(n-1)}$ is the mean daily outdoor temperature for the day before the day in question, and $\overline{trm(n-1)}$ is the running mean temperature for the day before the day in question ($n-1$), and α is a constant between 0 and 1 that controls the speed at which the running mean responds to changes in weather (outdoor temperature). Recommended values for α are between 0.9 and 0.6, corresponding to a slow- and fast-response running mean respectively. Adaptive comfort theory suggests that a slow-response running mean ($\alpha = 0.9$) could be more appropriate for climates in which synoptic-scale (day-today) temperature dynamics are relatively minor, such as the humid tropics. But for mid-latitude climates where people are more familiar with synoptic-scale weather variability, a lower value of α could be more appropriate. In Equation J-1, $t_{e(d-1)}$ represents the mean daily outdoor temperature for the

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~~previous day, $t_{e(n-2)}$ is the mean daily outdoor temperature for the day before that, and so on. The equation contains a sum to infinity, but is reducible to this more convenient form:~~

$$\overline{t_{pmout}} = (1 - \alpha) t_{e(n-1)} + \alpha \overline{t_{rm(n-1)}} \quad (J-2)$$

~~where $t_{e(n-1)}$ is the mean daily outdoor temperature for the day before the day in question, and $\overline{t_{rm(n-1)}}$ is the running mean temperature for the day before the day in question ($n-1$). For example, if $\alpha = 0.7$, the prevailing mean outdoor temperature for today would be 30% of yesterday's mean daily outdoor temperature plus 70% of yesterday's running mean outdoor temperature. This form of the equation advances the value of the running mean from one day to the next and is convenient both for computer algorithms and for manual calculations. A value for running mean temperature has to be assumed for day one in order to seed the sequence, but from then onwards it can be calculated with Equation J-21. The running mean may be initiated seven days prior to the start of the period of interest, and the actual daily mean outdoor temperature can be used for that first day to seed the sequence.~~

[...]



**BSR/ASHRAE Addendum f
to ANSI/ASHRAE Standard 55-2020**

Public Review Draft

**Proposed Addendum f to
Standard 55-2020, Thermal
Environmental Conditions
for Human Occupancy**

**First Public Review (April 2021)
(Draft shows Proposed Changes to Current Standard)**

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First Public Review Draft

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FOREWORD

Addendum f to Standard 55-2020 proposes changes to the air speed definition to account for moving occupants. Additionally, activity-generated air speed and clothing insulation adjustment for an active person are now included within the PMV code of Normative Appendix B, in order to align with ISO 7730 and the original intent of the PMV model.

[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 f to 55-2020

Revise Section 3 Definitions as shown below. The remainder of Section 3 is unchanged.

air speed, average (V_a): the average air speed surrounding a representative occupant. The average is with respect to location and time. The spatial average is for three heights as defined for average air temperature t_a . For an occupant moving in a space the sensors shall follow the movements of the occupant. The air speed is averaged over an interval not less than one and not more than three minutes. Variations that occur over a period greater than three minutes shall be treated as multiple different air speeds.

Revise Section 5.2.2.2 Insulation Determination as shown below. The remainder of Section 5.2.2.2 is unchanged.

[...]

e. ~~For moving occupants, it is permitted but not required to adjust any of the previous methods using the following formula:~~

$$I_{cl,active} = I_{cl} \times (0.6 + 0.4/M)$$

$$1.2 \text{ met} < M < 2.0 \text{ met}$$

~~where M is the metabolic rate in mets and I_{cl} is the insulation without movement.~~

f. Interpolate between or extrapolate from the values given in Tables 5-3 and 5-4.

g. Use Figure 5-1 to determine the clothing insulation I_{cl} of a representative occupant for a day as a function of outdoor air temperature at 06:00 a.m., $t_{a(out,6)}$.

Clothing insulation I_{cl} determined in accordance with Figure 5-1 is permitted but not required to be adjusted to account for unique dress code or cultural norms using other methods in Section 5.2.2.2 or approved engineering methods.

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hg. Use measurement with thermal manikins or other approved engineering methods.

Revise Normative Appendix B as shown below. The remainder of Normative Appendix B is unchanged.

NORMATIVE APPENDIX B COMPUTER PROGRAM FOR CALCULATION OF PMV-PPD

The following code is one implementation of the PMV-PPD calculation using JavaScript in SI units. This calculation does not include discomfort risk due to local discomfort factors. The input variable clo in the PMV function shall be calculated using the following equation:

$$\begin{aligned} clo &= I_{cl} \times (0.6 + 0.4 / M) \text{ for } M \geq 1.2 \\ clo &= I_{cl} \text{ for } M < 1.2 \end{aligned}$$

where M is the metabolic rate in met units and I_{cl} is the clothing insulation.

The input variable vel in the PMV function is the sum of the average air speed (V) plus the activity-generated air speed (V_{ag}) (m/s). Where V_{ag} is the activity-generated air speed caused by motion of individual body parts. It is a function of metabolic rate and is added to the average air speed to determine convective cooling of the body. V_{ag} is assumed to be 0 for metabolic rates equal and lower than 1 met and otherwise equal to:

$$\begin{aligned} V_{ag} &= 0.3 (M - 1) \text{ (m/s, } ^\circ\text{C)} \\ V_{ag} &= 59.1 (M - 1) \text{ (fpm, } ^\circ\text{F)} \\ &\text{for } M > 1 \text{ met.} \end{aligned}$$

```
pmv = function(ta, tr, vel, rh, met, clo, wme) {
/*
returns [pmv, ppd]
ta, air temperature (°C)
tr, mean radiant temperature (°C)
vel, relative air speed(m/s) average air speed (Va)+ activity-generated air speed (Vag) (m/s)
rh, relative humidity (%) Used only this way to input humidity
met, metabolic rate (met)
clo, clothing (clo)
wme, external work, normally around 0 (met)
*/
[...]
```

Revise Informative Appendix G as shown below. The remainder of Informative Appendix G is unchanged.

INFORMATIVE APPENDIX G CLOTHING INSULATION

[...]

Tables 5-2 and 5-3 are for a person that is not moving. Body motion decreases the insulation of a clothing ensemble by pumping air through clothing openings and/or causing air motion within the clothing. This effect varies considerably, depending on the nature of the motion (e.g., walking versus lifting) and the nature of the clothing (stretchable and snug fitting versus stiff and loose fitting). Because of this variability, accurate estimates of clothing insulation I_{cl} for an active person are not available unless measurements are made for the specific clothing under the conditions in question (e.g., with a walking manikin). An approximation of the clothing insulation for an active person is:

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$$Icl, \text{ active} = Icl \times (0.6 + 0.4/M)$$

~~1.2 met < M < 2.0 met~~
for $M \geq 1.2$

where M is the metabolic rate in met units and Icl is the insulation without activity. For metabolic rates less than or equal to 1.2 met, no adjustment for motion is required. This clothing adjustment for an active person is applied automatically as part of the PMV code as described in Normative Appendix B.

[...]



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 160-2016**

Public Review Draft

**Proposed Addendum a to
Standard 160-2016, Criteria for Moisture-
Control Design Analysis in Buildings**

**First Public Review (April 2021)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at 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).

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FOREWORD

This addendum revises the definition of the moisture-design reference year in Sections 3.1 and 4.5 as indicated below and adds a related evaluation criterion in Section 6. Since the publication of Standard 160, ASHRAE Research Project 1325-RP, "Environmental Weather Loads for Hygrothermal Analysis and Design of Buildings," was completed. This research project analyzed several existing weather year selection methods, including the 10th percentile warm and cold years currently used by Standard 160, and showed that the existing methods were not successful in correctly ranking the severity of weather years for hygrothermal analysis. The project developed a new method of ranking weather years that was found to be consistently successful. This addendum will bring the standard in line with these research results, incorporating the new weather years and removing the old.

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Addendum a to 160-2016

Revise Section 3.1 as follows.

3.1 Definitions

~~Moisture design reference years~~ Moisture design reference year: the 10th percentile warmest and 10th percentile coldest years~~93rd percentile year in severity index for hygrothermal performance from a 30-year weather an analysis of 30 years of weather data (see Section 4.5.1 and Equation 4-7^{B-3})~~.

Revise Section 4.5 as follows.

4.5 Moisture Design Weather Data. ~~The analysis shall be performed using Section 4.5.1 or Section 4.5.2. The analysis shall be performed using a minimum of ten consecutive years of weather data or using the moisture design reference years weather data. The and the~~ weather data shall include hourly data for the following:

- a. Dry-bulb air temperature
- b. Vapor pressure, dew-point temperature, wet-bulb temperature, relative humidity, or humidity ratio
- c. Total solar insolation on a horizontal surface
- d. Average wind speed ~~and direction~~
- e. Average wind direction~~Rainfall~~
- f. Rainfall~~Cloud index~~
- g. Cloud index

4.5.1 Moisture Design Reference Year. This analysis shall be performed using the moisture design reference year selected from 30 years of hourly weather data according to the method below^{B-3}.

1. Calculate annual average values of the following weather parameters for each year:
 - a. Dry-bulb temperature T_o , °C (°F)
 - b. Relative humidity ϕ , where $0 \leq \phi \leq 1$
 - c. Cloud index I_{cl} , where $0 \leq I_{cl} \leq 8$
 - d. Vapor pressure p_v , Pa (in. Hg). If vapor pressure is included in the hourly weather data, then take the average over the year. If vapor pressure is not included, then calculate vapor pressure for every hour using temperature and relative humidity and then take the average over the year.
 - e. Solar radiation E_v , W/m² [Btu/(ft²·h)], on the wall with orientation receiving the least solar radiation. (*Informative Note:* For locations in the northern hemisphere, take solar radiation on a north-facing wall. For locations in the southern hemisphere, take solar radiation on a south-facing wall.)
 - f. Wind-driven rain r_{wd} , kg/(m²·h) [lb/(ft²·h)], on the wall with orientation specified below, calculated according to Equation 4-6:

$$r_{wd} = C \cdot U \cdot r_h^{0.88} \cdot \cos\theta \quad (4-6)$$

where

C = empirical constant, 0.222 (SI), 0.350 (I-P)

U = hourly average wind speed at 10 m (33 ft) above ground level, m/s (mi/h)

r_h = rainfall intensity on a horizontal surface, mm/h (in./h)

θ = angle between wind direction and normal to the wall

For locations in the northern hemisphere, take wind-driven rain on a north-facing wall. For locations in the southern hemisphere, take wind-driven rain on a south-facing wall. For locations at or near the equator, select north or south on the basis of which has the higher wind-driven rain.

2. Calculate the severity index I_{sev} for each year according to Equation 4-7:

$$I_{sev} = 108307 - 241 \cdot E_v - 1391 \cdot I_{cl} - 312326 \cdot \phi + 183308 \cdot r_{wd} + 15.2 \cdot p_v + 27.3 \cdot T_o^2 + 261079 \cdot \phi^2 - 0.00972 \cdot p_v^2 \quad (4-7a) \text{ (SI)}$$

$$I_{sev} = 116935 - 760.2 \cdot E_v - 1391 \cdot I_{cl} - 312326 \cdot \phi + 894543 \cdot r_{wd} + 51473 \cdot p_v - 539.3 \cdot T_o + 8.426 \cdot T_o^2 + 261079 \cdot \phi^2 - 111466 \cdot p_v^2 \quad (4-7b) \text{ (I-P)}$$

3. Rank the weather years in order of ascending severity index.
4. The moisture design reference year shall be the year with severity index corresponding to the 93rd percentile, which is the year with the second highest severity index in a 30-year period.

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4.5.2 Weather Data. This analysis shall be performed using a minimum of 10 consecutive years of hourly meteorological weather data.

Revise Section 6 as follows.

6. MOISTURE PERFORMANCE EVALUATION CRITERIA

This ~~s~~ections 6.1, 6.2, and 6.3 sets performance criteria that shall be met to minimize the undesirable effects of moisture in a building or building envelope^{B-21}. These criteria apply to all materials and surfaces except the exterior surface of the building envelope. ~~The analysis shall be performed for a minimum of two orientations: the orientation with the highest amount of annual wind-driven rain, calculated according to Equation 4-6; and the orientation with the least annual solar radiation. Analysis of additional orientations shall be optional.~~

6.1 Moisture Accumulation Criteria. This section shall apply if the moisture-design reference year is used in the analysis in accordance with Section 4.5.1. Moisture accumulation shall be analyzed for a minimum of five consecutive moisture-design reference years, not to exceed 10 years. The maximum total moisture content of the assembly in the final year of analysis shall be equal to or less than that of the prior year.

Exception: An alternate analysis shall be permitted in accordance with accepted engineering practice. The alternate analysis method, justification, and the results shall be reported. The analysis results of Section 6.1 shall also be reported.

6.2 Conditions Necessary to Minimize Mold Growth.

(No changes to this section other than revising the section number from 6.1 to 6.2.)

6.26.3 Corrosion.

(No changes to this section other than revising the section number from 6.2 to 6.3.)

Revise Section 7 as follows.

7. REPORTING

7.3 g. ~~Moisture Design Weather Data: (Moisture Design Reference Year or 10 years consecutive) (Section 4.5) Moisture Design Reference Year (See Section 4.5.1) or Weather Data (See Section 4.5.2).~~ If Section 4.5.2 is used, report the specific years used and data source.

Revise Informative Annex B, Commentary on Standard 160, as follows.

^{B-3}The source for the definition of “moisture-design reference years/year” is IEA Annex 24, Heat, Air and Moisture Transfer in New and Retrofitted Insulated Envelope Parts (IEA 1996) “RP-1325 -- Environmental Weather Loads for Hygrothermal Analysis and Design of Buildings” (Salonvaara 2011) (see Annex C, “Bibliography”).

Revise Informative Annex C, Bibliography, as follows.

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 160-2016, *Criteria for Moisture-Control Design Analysis in Buildings*
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~~IEA. 1996. Annex 24, Heat, Air and Moisture Transfer in New and Retrofitted Insulated Envelope Parts. International Energy Agency, Leuven, Belgium.~~

Salonvaara, M. 2011. RP-1325 -- Environmental Weather Loads for Hygrothermal Analysis and Design of Buildings. Atlanta: American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

BSR/ASSP Z359.14-202x, Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems
(revision and redesignation of BSR/ASSP Z359.14-202x)

The testing requirement is that a Class 2 must be subjected to “no less” than six feet, while in use they should be subjected to “no more” than six feet. As a result, the statement is rewritten as shown below.

1.4 Self-Retracting Device Classes

1.4.1 Class 1. Self-retracting devices which shall be used only on overhead anchorages and shall be subjected to a maximum free fall of 2 feet (610mm) or less, in practical application.

1.4.2 Class 2. Self-retracting devices which ~~are~~ intended for applications wherein overhead anchorages may not be available or feasible and which may, in practical application, be subjected to a free fall of no ~~less~~ more than 6 feet (1.8m), over an edge prescribed in Section 4.

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NSF/ANSI Standard
for Good Manufacturing Practices –

**Good Manufacturing Practices
for Cosmetics**

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4 Audit requirements

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4.1 Context of the organization

4.1.1 ~~The Voluntary Cosmetic Registration Program (VCRP) is an FDA reporting system for use by manufacturers, packers, and distributors of cosmetic products that are in commercial distribution in the United States. The VCRP applies only to cosmetic products being sold to consumers in the United States. It does not apply to cosmetic products for professional use only, such as products used in beauty salons, spas, or skin care clinics. It also does not apply to products that are not for sale. The VCRP applies to products that are cosmetics as defined by the Federal Food, Drug, and Cosmetic Act (FD&C Act), section 201(i). Manufacturers, packers and distributors of cosmetic products that are in commercial distribution shall be registered with the country of manufacture or sale, if required by the relevant jurisdiction(s).~~

4.1.2 Supplier (manufacturer) without VCRP registration has cosmetic product ingredient statements (CPIS) filed with the US FDA. [<https://www.fda.gov/cosmetics/registrationprogram/ucm2005171.htm>]

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NSF/ANSI Standard
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4.1 Context of the organization

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4.1.2 Supplier (manufacturer) without VCRP registration has cosmetic product ingredient statements (CPIS) filed with FDA <www.fda.gov/cosmetics/registrationprogram/ucm2005171.htm>.

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ID: Company with comment # (do not automate comment #)

Please do not re-size table

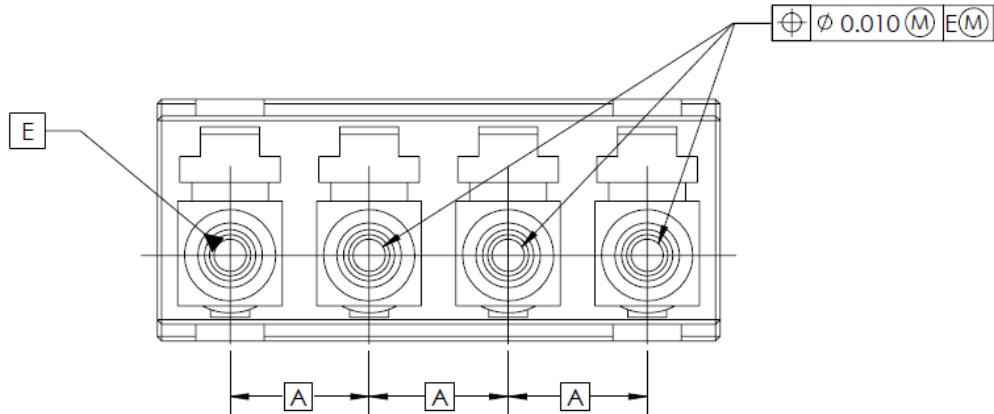
Page	Line	Clause	E/T/TN	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution

ANSI/TIA-PN-604.10-C-D1 (to become TIA-604-10-C)

16	447	5	T	Lev03	<p>Leviton's preferred change is outlined in Lev02. If Lev02 is not accepted, we propose adding this note.</p>	<p>ADD a 2nd note under the table in figure 2.2.1d: Some legacy 4-port adapters will support two duplex LC plugs, but may not support a quadruplex plug.</p>	<p>Accept with edits.</p> <p>Straw poll: Who is in favor of rejection of the comment? (1 vote per company) In favor: 5 Opposed: 7 Abstain: 7</p> <p>Straw poll: Is the following note acceptable for adding to the document? "Some legacy 4-port adapters (dual duplex) may support two $n=2$ (duplex) plugs but are not compliant with the $n=4$ adapter interface, and therefore may not be intermateable with an $n=4$ plug, yet are compliant with either the $m=5$ or $m=6$ quadruplex adapter mounting options." In favor: 13 Opposed: 1 Abstain: 7</p> <p>Straw poll: Shall the note be added under the table in Figure 2.2.1c (duplex)? In favor: 6 Opposed: 4 Abstain: 11</p> <p>Straw poll: Shall the note be added under the table in Figure 2.2.1d (quadruplex)? In favor: 13 Opposed: 1 Abstain: 8</p> <p>Straw poll: Shall the note be added below the figure in Figure 2.2.4 (adapter mounting dimensions)? In favor: 4 Opposed: 3 Abstain: 14</p> <p>Resolution: Accept with edits. Add the above note under the table in Figure 2.2.1d (quadruplex).</p>
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ANSI/TIA-PN-604.10-C-D1 (to become TIA-604-10-C)

Below is Figure 2.2.1d modified per the resolution to Lev03 (text in red font to be converted to black font in published document):



Dim.	Basic Dimension (mm)
A	6.25

Notes:

1. Each of the units in the quadruplex adapter shall comply with all of the dimensions of figure 2.2.1a or 2.2.1b, and each of the duplex pairs in the quadruplex adapter shall comply with all of the dimensions of figure 2.2.1c.
2. Some legacy 4-port adapters (dual duplex) may support two $n = 2$ (duplex) plugs but are not compliant with the $n = 4$ adapter interface, and therefore may not be intermateable with an $n = 4$ plug, yet are compliant with either the $m = 5$ or $m = 6$ quadruplex adapter mounting options.

Figure 2.2.1d – Quadruplex adapter interfaces for $k = 1$ and $k = 2$

BSR/UL 758, Standard for Safety for Appliance Wiring Materials

PROPOSAL(S)

5.6.3 Special alloy copper conductors having a conductivity of not less than 80 55 percent of 100 percent IACS (International Annealed Copper Standard) copper are not prohibited from being used when the finished wire or cable is suitable for the use, and when the cross section of the conductor is sufficient to give it a conductivity of not less than 80 55 percent of the 100 percent IACS (International Annealed Copper Standard) conductor and the tag is marked to indicate its nominal AWG size.

Table 5.3
Conductor – metal specifications

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 3	150 (302)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements for 40 AWG conductors shown in ASTM B 3.
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 3	200 (392)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements for 40 AWG conductors shown in ASTM B 3.
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 33	150 (302)	Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements for 40 AWG conductors shown in ASTM B33.

Table 5.3 Cont'd

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 33	200 (392)	<u>Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements for 40 AWG conductors shown in ASTM B 33.</u>
<p>NOTE 1 – "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin," mentioned in this table refers to copper strands that are twisted and then coated with tin.</p>			
<p>^a IACS – International Annealed Copper Standard</p>			

BSR/UL 817, Standard for Safety for Cord Sets and Power-Supply Cords

PROPOSAL(S)

10.12.3.3 Hospital grade cord sets shall employ flexible cord of the Type SJO, SJT, SJTO, SVO, SVT, SVTO, or other jacketed type cord of equal or harder usage or an equivalent Appliance Wiring Material.

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BSR/UL 1030, Standard for Sheathed Heating Elements

1. Adding new sheathed heating element materials

PROPOSAL

Table 14.1
Temperature limits for sheathed heating element materials

Material	Maximum temperature	
	°F	°C
A. METALLIC MATERIALS		
1. Copper	350	177
2. Aluminum	500	260
3. Brass	750	399
4. Cold rolled steel	750	399
5. Nickel silver	1000	538
6. Stainless steel ^a		
a. Types <u>301</u> , <u>302</u> , <u>303</u> , <u>304</u> , <u>304L</u> , <u>305</u> , <u>308</u> , <u>316</u> , <u>316L</u> , <u>316N</u> , <u>316Ti</u> , <u>317</u> , <u>317L</u> , <u>321</u> , <u>329</u> , <u>330</u> , <u>347</u> , <u>347M</u> , <u>348</u>	1400	760
b. Type <u>309</u> , <u>309S</u>	1500	816
c. Type <u>310</u> , <u>310S</u> , <u>314</u>	1600	871
d. Types <u>403</u> , <u>405</u> , <u>409</u> , <u>410</u> , <u>414</u> , <u>416</u> , <u>420</u> , <u>422</u> , <u>429</u> , <u>431</u> , <u>501</u>	1200	649
e. Type <u>430</u> , <u>430F</u> , <u>439F</u>	1300	704
f. Type <u>442</u> , <u>444</u>	1400	760
g. Type <u>446</u>	1500	816
h. Type <u>926</u> ^d	<u>1400</u>	<u>760</u>
7. Nickel alloys ^b		
a. Alloy <u>200</u> , <u>400</u>	900	482
b. Alloy <u>600</u> , <u>601</u> , <u>625</u> , <u>7128</u> , <u>X-750</u> , <u>C-276</u>	1800	982
c. Alloy <u>800</u> , <u>800H</u> , <u>A286</u>	1700	927
d. Alloy <u>825</u>	1100	593
e. Alloy <u>840</u> , <u>841</u>	1700	927
8. Cast iron	1200	649
9. Titanium	750	399

Material	Maximum temperature	
	°F	°C
B. NONMETALLIC MATERIALS ^c	Recognized temperature rating	

^a American Iron and Steel Institute (AISI) type designations.

^b American Society of Mechanical Engineers (ASME) type designations.

^c Includes but is not limited to insulated wire, polymeric materials, bushings, washers, end seals, and other components.

^d Intended for use only submersed in water.