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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.

DirectTrust (DirectTrust.org, Inc.)
1629 K Street NW, Suite 300, Washington, DC  20006   www.DirectTrust.org
Contact: Stacy Clements; standards@directtrust.org

New Standard
BSR/DS 2019-01-200-202x, XDR and XDM for the Direct Standard™ (new standard)

Stakeholders: a) Healthcare sector; (b) Government sector; (c) Healthcare paper sector; (d) Consumer sector and general Interest; (e) Information Technology sector; and (g) Interoperability and Systems Integration sector.

Project Need: The Direct Standard provides a mechanism for secure and identity-proofed point to point exchange of health information. The IHE XD Metadata, by providing additional information for each exchange, adds enhanced support for managing patient identity and patient privacy, allows for machine-processable description of the purpose of the exchange, and facilitates automated processing of the health information. The XDR and XDM for Direct Standard combines these distinguishing features of the two specifications in a consistent manner and describes a mechanism to convert between SMTP- and SOAP-based health information exchanges. This can enable the exchanged health information to be more readily incorporated into Electronic Health Records (EHR) and utilized quickly and appropriately by providers, possibly leading to an increased quality of care. Some use cases of the XDR and XDM for Direct Standard include:
- Closing the loop for referrals from a PCP to a specialist, keeping the information available to both providers synchronized, and helping them to better coordinate care for the patient;
- Sending notifications regarding patient care provided outside of a provider's or care team's organization; and
- Exchanging the appropriate level of information for addressing Social Determinants of Health needs of the patient.

Scope: The XDR and XDM for Direct Standard was created to provide the necessary requirements for using the IHE XD Metadata in the context of the Direct Standard (ANSI/DS 2019-01-100-2021). It builds upon existing specifications, such as the Cross-Enterprise Document Media Exchange (XDM) which provides Direct-Protocol-compatible healthcare-specific metadata exchange, and the Cross-Enterprise Document Reliable Interchange (XDR) which is used in SOAP-based Web Services healthcare exchange networks. The XDR and XDM for Direct Standard specifies not only a guidance for the use of these specifications but adds requirements and constraints to reduce interoperability “friction” among healthcare organizations with different technological bases.
**ECIA (Electronic Components Industry Association)**
13873 Park Center Road, Suite 315, Herndon, VA 20171  www.ecianow.org
Contact: Laura Donohoe; ldonohoe@ecianow.org

*New Standard*
BSR/EIA 364-123-202x, High Temperature Exposure with Contact Loading Test Procedure for Electrical Connectors
(new standard)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Create a new American National Standard.

Scope: This test procedure establishes a test method to determine with high temperature exposure to the connector, the contacts shall maintain their specified locations and there shall be no electrical discontinuity while the contact is under a load.

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**MTConnect (MTConnect Institute)**
7901 Jones Branch Drive, Suite 900, McLean, VA 22102  http://www.amtonline.org
Contact: Russell Waddell; rwaddell@amtonline.org

*Revision*
BSR/MTC1.6-202x, MTConnect (revision of ANSI/MTC1.4-2018)

Stakeholders: Manufacturers, machine tools, factory automation, industrial software developers.

Project Need: Before the MTConnect standard, manufacturers resorted to patchwork solutions that would cost tens of billions of dollars each year in lost time, productivity, and efficiency. MTConnect addressed this problem by normalizing data definitions in the manufacturing plant, creating smoother operations for controls, devices, and software applications. MTConnect allows equipment builders and users to avoid wasted time on translation of terminology by instead using an industry-standard domain vocabulary.

Scope: MTConnect is an open, royalty-free standard to foster greater interoperability between devices and software applications primarily in discrete manufacturing. MTConnect includes semantic data definitions for industrial equipment, and establishes an open and extensible channel of communication for plug-and-play interconnectivity between devices, equipment, and systems. MTConnect allows sources to exchange and understand each other’s data, which provides more efficient operations, improves production optimization, and increases productivity.

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**NEMA (ASC C136) (National Electrical Manufacturers Association)**
1300 North 17th Street, Suite 900, Rosslyn, VA 22209  www.nema.org
Contact: David Richmond; David.Richmond@nema.org

*Revision*
BSR C136.49-202X, Plasma Lighting (revision of ANSI C136.49-2016)

Stakeholders: Luminaire manufacturers, test labs, end users.

Project Need: This standard is being revised to update references, bring language in line with other C136 standards and reflect current industry practices.

Scope: This standard defines the electrical and mechanical requirements of plasma-type light sources for use in roadway and area-lighting luminaires.
**SCS (SCS Standards Development)**
2200 Powell Street, Suite 725, Emeryville, CA 94608  www.scsglobalservices.com  
Contact: Linda Brown; lbrown@scsglobalservices.com

**New Standard**
BSR/SCS 003-202x, Radiative Forcing Climate Protocol - Organizations, Projects and Products (new standard)
Stakeholders: Stakeholders include governments, companies, institutions, and other entities interested in reducing their contribution to climate change, as well as RF reduction project proponents.
Project Need: Greenhouse gas (GHG) emissions are the primary focus of current GHG inventory and carbon footprint approaches. However, in addition to GHGs, the IPCC has identified the important role that short-lived climate pollutants such as black carbon and tropospheric ozone, and other factors, such as changes in surface albedo and carbon sequestration, are playing in altering to the Earth’s energy balance. This Standard will complement existing standards by: (1) addressing a wider range of well-mixed and non-well-mixed gases, aerosols, and particulate emissions as well as non-emission factors that influence global radiative forcing (RF) (“climate forcers”) and (2) supporting the assessment and quantification of RF inventories, RF footprints, and RF reduction projects over multiple timescales. RF footprints will also account for legacy GHGs (i.e., the well-mixed GHGs emitted in the past that remain in the atmosphere and are still contributing to current-day RF levels), as well as the future RF contribution of GHG emissions. Additionally, the RF Protocol will include trade-off analysis (a) the assessment of potential co-benefits and adverse impacts that could arise from implementation of RF reduction projects (b) in order to inform and steer users away from projects with unintended negative consequences. Finally, the RF Protocol will help inform product design, and inform purchasing to minimize climate impact from products.
Scope: Radiative forcing (RF) is the common, underlying metric by which all anthropogenic and biogenic factors influencing the climate system can be evaluated. For instance, it is the basis upon which carbon dioxide equivalents are calculated when determining the relative potency of greenhouse gases compared to carbon dioxide over various timeframes. The many drivers of increased RF include greenhouse gases, particulates, aerosols, and other emissions, and changes in the albedo of clouds and ground-level surfaces. Over time, sustained increases in RF lead to increasing climate disruption and higher global mean temperatures (GMT). Reducing RF is therefore essential to slowing climate change and stabilizing the climate. This standard will provide an RF Protocol to help organizations account for and manage their contribution to changes in RF for identification and implementation of projects to reduce or offset positive RF, and for determining the RF contribution of products. The Protocol will include the steps entities should take to establish their RF footprint, identify projects to reduce or offset RF that will not cause unintended adverse impacts, and have such projects validated and verified. In addition, the Protocol will support the development of a 2030 climate roadmap aimed near-term RF stabilization, consistent with the findings of IPCC reports.

**SDI (ASC A250) (Steel Door Institute)**
30200 Detroit Road, Westlake, OH 44145  www.wherryassocsteeldoor.org  
Contact: Linda Hamill; leh@wherryassoc.com

**Revision**
BSR A250.8-202x, Specifications for Standard Steel Doors & Frames (revision of ANSI A250.8-2017)
Stakeholders: Steel Door and Frame manufacturers and users
Project Need: To satisfy ANSI’s 5-year review requirement.
Scope: This specification covers sizes, design, materials, general construction requirements, and finishing of standard steel doors and frames. It defines standard items not subject to variations. The products defined in this standard have demonstrated successful performance to established test procedures and physical usage. A250.8 is not intended to be submitted for consideration as and ISO, IEC or ISO/IEC JTC-1 standard.
**Withdrawal**


Stakeholders: Cabling system designers, consultants, architects, engineers; manufacturers, end user, contractors, integrators.

Project Need: Withdraw standard.

Scope: This Standard addresses the requirements associated with the planning, architecture, design, integration, and operation of sustainable information communications technology (ICT). Justifications: This standard describes sustainable concepts for ICT such as lowering energy consumption, reducing material consumption, and mitigating the environmental impact.

**Revision**


Stakeholders: Cabling system designers, installers, consultants, architects, engineers; manufacturers, facilities management organizations, contractors, hospital administration.

Project Need: Update standard.

Scope: This Standard specifies requirements for telecommunications infrastructure for healthcare facilities (e.g., hospitals, clinics). It specifies cabling, cabling topologies, and cabling distances. Additionally, pathways and spaces (e.g., sizing and location), and ancillary requirements are addressed. Telecommunications cabling specified by this standard is intended to support a wide range of healthcare facilities and systems.

**Revision**


Stakeholders: Cabling system designers, consultants, architects, engineers; manufacturers, facilities management organizations, contractors, integrators.

Project Need: Update standard.

Scope: This document covers the security of telecom cables, pathways, spaces, and other elements of the physical infrastructure. It includes design guidelines, installation practices, administration, and management. It addresses guidelines for new construction as well as renovation of existing buildings. The document also provides installation guidelines, for implementing security cabling systems for premise security systems with an integrated security approach. Justification: This Standard will enable the planning and installation of physical network security systems that protect critical telecommunications infrastructure elements.
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

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Comment Deadline: August 15, 2021

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum f to BSR/ASHRAE Standard 90.4-202x, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
Addendum f modifies Section 5.2.1 to add specific language about building envelope criteria for data centers and how it is to be accounted for in the MLC calculations.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

---

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | rshanley@ashrae.org, www.ashrae.org

Addenda

This addendum adds the zeotropic refrigerant blend R-475A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Comment Deadline: August 15, 2021

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

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

**Addenda**

BSR/ASHRAE Addendum w to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This addendum adds the zeotropic refrigerant blend R-472B to Tables 4-2 and D-2.

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

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

**NSF (NSF International)**

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

**Revision**

BSR/NSF 14-202x (i116r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

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

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

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

**NSF (NSF International)**

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

**Revision**

BSR/NSF 53-202x (i134r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking-water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

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

**UL (Underwriters Laboratories)**

333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ul.org/

**Revision**


This proposal for UL 498M covers: (1) Additional requirements for shore power inlet connection safety.

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

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: [https://csds.ul.com/Home/ProposalsDefault.aspx](https://csds.ul.com/Home/ProposalsDefault.aspx)
Comment Deadline: August 15, 2021

UL (Underwriters Laboratories)
47173 Benicia Street, Fremont, CA 94538  |  Linda.L.Phinney@ul.org, https://ul.org/

Revision
Covers braided cords for use in outdoor-use cord sets and power supply cords.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
47173 Benicia Street, Fremont, CA 94538  |  Linda.L.Phinney@ul.org, https://ul.org/

Revision
Covers shore power connection safety (Revised SB7.1, SB7.4, and New SB19).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062-2096  |  Amy.K.Walker@ul.org, https://ul.org/

Revision
BSR/UL 8750-202x, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2021)
(1) Add exception for transformers utilizing a thermoset varnish; (2) Revisions to Supplement SB- Type HL LED Drivers.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx
Comment Deadline: August 30, 2021

AAFS (American Academy of Forensic Sciences)
410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard
BSR/ASB BPR 129-202x, Best Practice Recommendations for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms (new standard)
This document provides best practice recommendations for performing an internal validation of a human short tandem repeat (STR) multiplex kit using capillary electrophoresis (CE). This document is to be used as a companion document to the ASB Standard 39, Standard for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.

AAFS (American Academy of Forensic Sciences)
410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard
BSR/ASB Std 039-202x, Standard for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms (new standard)
This document details requirements for performing an internal validation of a human short tandem repeat (STR) multiplex kit using capillary electrophoresis (CE).
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.

AAFS (American Academy of Forensic Sciences)
410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard
BSR/ASB Std 154-202x, Standard for Training on Testimony for Forensic Biology (new standard)
This document provides minimum training program requirements for forensic biology practitioners on scientific and legal principles necessary to testify.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Comment Deadline: August 30, 2021

ACP (American Clean Power Association)
1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard
BSR/ACP 1000-2.1-202x, Definitions and Nomenclatures (new standard)
This standard identifies the set of definitions used within the American wind energy industry when defining training requirements for fall protection and rescue in wind turbines.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

ACP (American Clean Power Association)
1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard
BSR/ACP 1000-2.2-202x, Rescue Training Requirements (new standard)
This standard identifies the recommended minimum training guidelines for persons rescuing in wind turbines and associated structures within the American Wind Energy industry.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

ACP (American Clean Power Association)
1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard
BSR/ACP 1000-2.3-202x, Fall Protection Training Requirements (new standard)
This standard identifies the minimum training guidelines for persons climbing wind turbines and associated structures within the American Wind Energy industry.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (copy psa@ansi.org) to: standards@cleanpower.org

ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption
This document specifies general requirements and test methods for portable dental equipment for use in non-permanent healthcare environments. Portable dental equipment within the scope of this document includes: portable dental units, portable patient chairs, portable operator’s stools, portable operating lights, and other portable dental equipment in instances where these devices are designed and constructed to be transported for use in non-permanent healthcare environments.
Single copy price: $59.00 (ADA Members); $73.00 (Non-members)
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org

Call for Comment on Standards Proposals
Comment Deadline: August 30, 2021

ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption
This document specifies requirements and test methods for total digestible fluoride content and a minimum soluble fluoride release potential in dental varnishes containing fluoride, intended for use in the oral cavity directly on the outer surfaces of teeth and fillings. It also specifies packaging and labeling requirements, including the instructions for use.
Single copy price: $35.00 (ADA Members); $43.00 (Non-members)
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org

ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption
BSR/ADA Standard No. 198-202x, Multifunction Handpieces (identical national adoption of ISO 22569:2020)
This document specifies requirements, test methods, instructions for use and marking for multifunction handpieces (colloquially called “syringes”) intended to be used in the oral cavity of the patient.
Single copy price: $92.00 (ADA Members); $111.00 (Non-members)
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org

ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption
BSR/ADA Standard No. 27-202x, Polymer Based Restorative Materials (identical national adoption of ISO 4049:2019 and revision of ANSI/ADA Standard No. 27-2016)
This document specifies requirements for dental polymer-based restorative materials supplied in a form suitable for mechanical mixing, hand-mixing, or intra-oral and extra-oral external energy activation, and intended for use primarily for the direct or indirect restoration of the teeth and for luting. The polymer-based luting materials covered by this document are intended for use in the cementation or fixation of restorations and appliances such as inlays, onlays, veneers, crowns, and bridges.
Single copy price: $126.00 (ADA Members); $154.00 (Non-members)
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org
Comment Deadline: August 30, 2021

**ADA (American Dental Association)**
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

**National Adoption**
This document classifies polymer-based crown and veneering materials used in dentistry and specifies their requirements. It also specifies the test methods to be used to determine conformity to these requirements.
Single copy price: $106.00 (ADA Members); $130.00 (Non-members)
Obtain an electronic copy from: standards@ada.org
Order from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org

**AMCA (Air Movement and Control Association)**
30 West University Drive, Arlington Heights, IL 60004-1893 | shrutik@amca.org, www.amca.org

**Revision**
BSR/AMCA 240-202x, Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamic Performance Rating (revision of ANSI/AMCA 240-2015)
This standard establishes a uniform method of laboratory testing for the determination of the aerodynamic performance of a positive pressure ventilator (PPV) in terms of airflow rate, pressure, air density and rotational speed, for performance rating or guarantee purposes. It is not the purpose of this standard to specify a testing procedure for the design, production, or field test of any PPV, nor is it the purpose for the standard to serve as a manual for the construction, validation, or calibration of the test facility.
Single copy price: $45.00 (ADA Members); $90.00 (Non-members)
Obtain an electronic copy from: shrutik@amca.org
Order from: Shruti Kohli-Bhargava, AMCA International, Inc., 30 West University Drive, Arlington Heights, IL 60004 U.S.A.
Send comments (copy psa@ansi.org) to: shrutik@amca.org

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

**Reaffirmation**
This standard specifies a method of test to determine leakage airflow and fractional leakage of operating HVAC air-distribution systems, and determines the uncertainty of the test results.
Single copy price: $35.00
Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: Send request to standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts
Comment Deadline: August 30, 2021

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | mdiaz@aws.org, www.aws.org

Revision

This Recommended Practices is a collection of data and procedures that are intended to assist the user in setting up resistance welding equipment to produce resistance welded production parts. While the recommendations included are not expected to be final procedures for every production part or every welding machine, they serve as starting points from which a user can establish acceptable welding machine settings for specific production welding applications. In some cases, recommended machine data is not available. In these instances, some description of the process is given to assist the reader in determining if the process might be suitable for the application.
Single copy price: $60.00
Obtain an electronic copy from: mdiaz@aws.org
Order from: Mario Diaz; mdiaz@aws.org
Send comments (copy psa@ansi.org) to: Same

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

New Standard

BSR/CPLSO 18-202x, Crane Insulators - Selection, use and maintenance (new standard)
To provide an American National Standard covering selection, use and maintenance of crane insulators, for use by but not limited to, the construction industry including tag-line insulating links, in foundries, and for radio-frequency suppression.
Single copy price: Free
Obtain an electronic copy from: pratt.hugh@cplso.org
Order from: Hugh Pratt; pratt.hugh@cplso.org
Send comments (copy psa@ansi.org) to: Same

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

Reaffirmation

This Standard is applicable to high-voltage warning devices for cranes but not limited to but including, as example, for use by the broadcasting, mining, farming, and construction industry including Proximity Warning Devices, (PWD). This Standard specifies the characteristic mechanical and electrical performance levels required for these devices.
Single copy price: Free
Obtain an electronic copy from: pratt.hugh@cplso.org
Order from: CPLSO
Send comments (copy psa@ansi.org) to: pratt.hugh@cplso.org
Comment Deadline: August 30, 2021

NEMA (ASC C18) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

This standard applies to portable primary cells and batteries with aqueous electrolyte and a zinc anode (non-lithium). This edition includes the following electrochemical systems: (a) Carbon zinc (Leclanch and zinc chloride types); (b) Alkaline manganese dioxide; c) Silver oxide; d) Zinc air; and (e) Nickel oxyhydroxide.
Single copy price: $150.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Khaled Masri; Khaled.Masri@nema.org
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)
One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION
The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. The First Draft Report contains the disposition of public inputs that were received for the revision of the Annual 2022 NEC Revision Cycle.
The First Draft Report is located on the document’s information page under the next edition tab. The document’s specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/101next), can easily access the document’s information page. All Comments on this standard must be submitted by August 19, 2021. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document’s information page under the next edition tab.
For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (http://www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 70®,-202x, National Electrical Code® (revision of ANSI/NFPA 70-2020)
(A) Covered. This Code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for the following: (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings; (2) Yards, lots, parking lots, carnivals, and industrial substations; (3) Installations of conductors and equipment that connect to the supply of electricity; (4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center; (B) Not Covered. This Code does not cover the following: (1) Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles. Informational Note: Although the scope of this Code indicates that the Code does not cover installations in ships, portions of this Code are incorporated by reference into Title 46, Code of Federal Regulations, Parts 110–113; (2) Installations underground in mines and self-propelled mobile surface mining machinery and its attendant electrical trailing cable; (3) Installations of railways for generation, transformation, transmission, energy storage, or...
Obtain an electronic copy from: www.nfpa.org/70Next
Send comments (copy psa@ansi.org) to: Same
Comment Deadline: August 30, 2021

TIA (Telecommunications Industry Association)
1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.tiaonline.org

New Standard
BSR/TIA 568.5-202x, Single balanced twisted-pair cabling and components standard (new standard)
A single balanced twisted-pair cabling and components standard to provide specifications for cables, connectors, cords, links, and channels using 1-pair connectivity in non-industrial premises telecommunications networks. The standard will focus on MICE1 environments and will include cabling and component performance requirements and test procedures, reliability requirements, and test procedures, as well as guidelines for adaptations to four-pair cabling.
Single copy price: $116.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: Same

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ul.org/

Revision
BSR/UL 498-202x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2021) This proposal for UL 498 covers: (1) Revision to Spring Action Terminals requirements; (2) Alternative terminal identifier for the connection of the grounded conductor; (3) Revision to Weather-Resistant (WR) requirements; and (4) Revision to marking for products with USB-type outlets.
Single copy price: Free
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ul.org/

Revision
BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498D-2021a)
This proposal for UL 498D covers: (1) Revision to Spring Action Terminals requirements.
Single copy price: Free
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx
Comment Deadline: August 30, 2021

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ul.org/

Revision

BSR/UL 498F-202x, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type)
Contacts (revision of ANSI/UL 498F-2021)
This proposal for UL 498F covers: (1) Revision to Spring Action Terminals requirements.

Single copy price: Free
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062-2096 | mitchell.gold@ul.org, https://ul.org/

Revision

Ballot of the following new proposals: (1) Limit for ambient temperature; (2) Deletion of requirements for elevator control panels; (3) Include reference in scope to UL 67 regarding panelboard construction; (4) Clarification of branch and feeder circuit spacings; (5) Removal of SIS as an example of conductor type not readily available; (6) Clarification of the requirements for an air outlet from a forced ventilation system located in the area occupied by an operator; (7) Alignment with NFPA 79 for GFCI for receptacles; (8) Alignment with NFPA 79 and NEC regarding the term used to indicate the full-load current; (9) Clarification of 31.3.3 for Self-Protected Combination Motor Controllers; (10) Misprint in Paragraph 32.3.1; (11) Revision of requirements for feeder taps for motor loads; (12) Addition of reactors covered by UL 508; (13) Manual motor starters as overcurrent protection for control transformers; (14) UPS with supercapacitors; (15) Clarification of overload relay heater table marking requirement; (16) Alternate enclosure types; (17) Enclosure access; (18) Deletion of marking requirement in 67.1.2; (19) RFI/EMI filters rated greater than 400A; (20) Power monitoring devices; (21) Table SB 4.2 - Correction of Class RK1 I2t let-through values at 50kA; (22) SCCR marking of required overcurrent protective device; (23) Overload protection exemption for TP, IP, and EP motor circuits; (24) Alternative testing of component bonding connection; (25) Interrupting rating versus short-circuit current rating; (26) Internal conductor ampacity requirements for power circuits; (27) Schematic wiring diagrams; and (28) Protection for variable-speed drives.

Single copy price: Free
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx
Comment Deadline: August 30, 2021

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

Revision
This proposal for UL 2108 covers: (1) Batteries; (2) Scope clarifications; (3) Glossary; (4) Recessed equipment clarifications; (5) Secondary circuit grounding; (6) Enclosures; (7) Polymeric recessed housing; (8) Permit aluminum as a dry location, class 2 conductor material; (9) Accessibility determination clarification; (10) Insulation piercing terminal temperature test; (11) Recessed power unit mounting options; (12) Temperature test for luminaires; (13) Recessed abnormal temperature test; (14) Manufacturing and production tests; (15) Markings; (16) Mounting of recessed luminaires; (17) Cord-suspended luminaires; (18) Luminaire supply connections; (19) Adjustments to Part III table references to UL 1598 clauses; (20) Editorial reformatting of standard name references; and (21) Editorial changes.
Single copy price: Free
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

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

Revision
BSR/VITA 65.0-202x, OpenVPX System Standard (revision of ANSI/VITA 65.0-2019)
The OpenVPX System Standard was created to bring versatile system architectural solutions to the VPX market. Based on the extremely flexible VPX family of standards, the OpenVPX standard uses Plug-In Module mechanical, connectors, thermal, communications protocols, utility, and power definitions provided by specific VITA standards to define a series of Slot, Backplane, Module, and Standard Development Chassis Profiles. This edition adds additional Slot, Backplane, and Module Profiles. Adds use of VITA 46.30 and VITA 46.31 connectors. Adds additional Connector Modules (as tables in VITA 65.1). Adds additional protocols. Makes some other improvements.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

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

Revision
BSR/VITA 65.1-202x, OpenVPX System Standard - Profile Tables (revision of ANSI/VITA 65.1-2019)
This standard documents variations of Slot, Backplane, and Modules Profiles. As part of the Slot Profile Description, there are also some Connector Modules defined. This document is primarily tables which are referenced by VITA 65.0.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com
Comment Deadline: September 14, 2021

ANS (American Nuclear Society)
555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Revision
BSR/ANS 2.21-202x, Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink (revision of ANSI/ANS 2.21-2012 (R2016))
This standard establishes criteria for the use of meteorological and hydrological data by nuclear facilities to evaluate the atmospheric effects from meteorological parameters on ultimate heat sinks. These input parameters may include dry-bulb temperature; wet-bulb temperature; dewpoint, cloud-cover, relative humidity, precipitation, wind speed, incoming short-wave solar radiation, incoming long-wave radiation, surface water temperature, and atmospheric pressure.
Single copy price: $71.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: pschroeder@ans.org

ASME (American Society of Mechanical Engineers)
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

New Standard
B30.32 includes provisions that apply to the use of unmanned aircraft systems (UAS) to support the inspection, testing, maintenance, and load-handling operations of equipment addressed in other B30-series standards.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Kathleen Peterson; petersonk@asme.org

Revision
BSR/ASME Y14.8-202x, Castings, Forgings and Molded Parts (revision of ANSI/ASME Y14.8-2009 (R2014))
This Standard covers definitions of terms and features unique to casting, forging, and molded part technologies with recommendations for their uniform specification on engineering drawings and related documents. Unless otherwise specified, any reference to features, parts, or processes shall be interpreted as applying to castings, forgings, and molded parts. Castings, forgings, and molded parts are delineated as “part” or “parts” throughout the Standard.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Fredric Constantino; constantinof@asme.org
Comment Deadline: September 14, 2021

DirectTrust (DirectTrust.org, Inc.)
1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org

New Standard
BSR/DS 2019-02-100-202x, Trusted Instant Messaging Plus (TIM+) Applicability Statement (new standard)
Trusted Instant Messaging+ (TIM+) defines a protocol that facilitates real-time communication and incorporates secure messaging concepts to ensure information is transmitted securely between known, trusted entities both within and across enterprises. TIM+ will determine the availability or presence of trusted endpoints and support text-based communication and file transfers.
Single copy price: Downloadable copy-free of charge; hard copy $35.00
Obtain an electronic copy from: standards@directtrust.org
Order from: Stacy Clements; standards@directtrust.org
Send comments (copy psa@ansi.org) to: Same

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption
Establishes a systematic description of the concepts in the field of biometrics pertaining to recognition of human beings and reconciles variant terms in use in pre-existing biometric standards against the preferred terms, thereby clarifying the use of terms in this field.
Single copy price: $48.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption
Defines: structures and data elements for biometric information records (BIRs); the concept of a domain of use to establish the applicability of a standard or specification that conforms with CBEFF requirements; the concept of a CBEFF patron format, which is a published BIR format specification that complies with CBEFF requirements, specified by a CBEFF patron; the abstract values and associated semantics of a set of CBEFF data elements to be used in the definition of CBEFF patron formats. This document describes methods to define CBEFF patron formats using CBEFF data elements to specify the structure of BIRs, including the standard biometric headers (SBHs).
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies and publishes registered Common Biometric Exchange Formats Framework (CBEFF) patron formats defined by the CBEFF patron ISO/IEC JTC 1/SC 37, and specifies their registered CBEFF patron format types (see ISO/IEC 19785-1) and resulting full ASN.1 OIDs.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies a data interchange format that can be used for storing, recording, and transmitting digitized acoustic human voice data (speech) assumed to be from a single speaker recorded in a single session. This format is designed specifically to support a wide variety of Speaker Identification and Verification (SIV) applications, both text-dependent and text-independent, with minimal assumptions made regarding the voice data capture conditions or the collection environment.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Contains a set of symbols, icons, and pictograms to help the general public understand the concepts and procedures for using electronic systems that collect and/or process fingerprints. This set of symbols, icons and pictograms is designed to be used to: identify the type of biometric device, provide static instructions related to a fingerprint device, display dynamic real-time information related to the fingerprint device, and indicate the status of the fingerprint device.
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Contains a set of pictograms, icons, and symbols to help the general public understand the concepts and procedures for using electronic systems that collect and/or evaluate facial images. Operators can use this document, with the possibility of using additional symbols and information. This set of pictograms, icons, and symbols is designed to be used to: identify the type of biometric sensor and provide supporting instructions related to facial image collection.
Single copy price: $73.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies an architecture for a set of interfaces which define the OO BioAPI. Components defined in this part of ISO/IEC 30106 include a framework, Biometric Service Providers (BSPs), Biometric Function Providers (BFPs), and a component registry.
NOTE: Each of these components have an equivalent component specified in ISO/IEC 19784-1 as the OO BioAPI is intended to be an OO interpretation of this part of ISO/IEC 30106.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies an interface of a BioAPI Java framework and BioAPI Java BSP, which will mirror the corresponding components, specified in ISO/IEC 30106-1. The semantic equivalent of ISO/IEC 30106-1 is maintained in this document.
Single copy price: $225.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption
INCITS/ISO/IEC 30106-3:2020 [202x], Information technology - Object oriented BioAPI - Part 3: C implementation
(identical national adoption of ISO/IEC 30106-3:2020)
Specifies an interface of a BioAPI C# framework and BioAPI C# BSP which mirror the corresponding components specified in ISO/IEC 30106-1. The semantic equivalence of this document will be maintained with ISO/IEC 30106-2 (Java implementation). In spite of the differences in actual parameters passed between functions, the names, and interface structure are the same.
Single copy price: $225.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption
INCITS/ISO/IEC 30106-4:2019 [202x], Information technology - Object oriented BioAPI - Part 4: C++ implementation
(identical national adoption of ISO/IEC 30106-4:2019)
Specifies an interface of a BioAPI C++ framework and BioAPI C++ BSP which will mirror the corresponding components specified in ISO/IEC 30106-1. The semantic equivalence of this document will be maintained with ISO/IEC 30106-2 (Java implementation) and ISO/IEC 30106-3 (C# implementation). In spite of the differences in actual parameters passed between functions, the names and interface structure are the same.
Single copy price: $225.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption
Amendment 1 to ISO/IEC 30106-1:2016.
Single copy price: $20.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Provide a foundation for PAD through defining terms and establishing a framework through which presentation attack events can be specified and detected so that they can be categorized, detailed, and communicated for subsequent decision making and performance assessment activities. This foundation is intended to not only introduce and frame the topics of presentation attacks and PAD but also to benefit other standards projects. This standard does not advocate a specific standard PAD method. The scope is limited to describing attacks that take place at the sensor during the presentation and collection of biometric characteristics.
Single copy price: $73.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Defines data formats for conveying the mechanism used in biometric presentation attack detection and for conveying the results of presentation attack detection methods. The attacks considered in the ISO/IEC 30107 series take place at the sensor during the presentation and collection of the biometric characteristics. Any other attacks are outside the scope of this document.
Single copy price: $111.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Establishes: principles and methods for performance assessment of presentation attack detection mechanisms; reporting of testing results from evaluations of presentation attack detection mechanisms; a classification of known attack types (in an informative annex).
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

**ITI (INCITS) (InterNational Committee for Information Technology Standards)**
700 K Street NW, Suite 600, Washington, DC 20001  |  comments@standards.incits.org, www.incits.org

**National Adoption**
Provides requirements for testing biometric presentation attack detection (PAD) mechanisms on mobile devices with local biometric recognition. This document lists requirements from ISO/IEC 30107-3 specific to mobile devices. It also establishes new requirements not present in ISO/IEC 30107-3. For each requirement, the profile defines an Approach in Presentation Attack Detection (PAD) Testing for Mobile Devices. For some requirements, numerical values or ranges are provided in the form of best practices. This profile is applicable to mobile devices that operate as closed systems with no access to internal results, including mobile devices with local biometric recognition as well as biometric modules for mobile devices.

Single copy price: $73.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

**ITI (INCITS) (InterNational Committee for Information Technology Standards)**
700 K Street NW, Suite 600, Washington, DC 20001  |  comments@standards.incits.org, www.incits.org

**National Adoption**
Defines the key terms for use in the specification of biometric technologies in a VSS, including metrics for defining performance; provides guidance on selection of camera types, placement of cameras, image specification etc. for the operation of a biometric recognition capability in conjunction with a VSS; provides guidance on the composition of the gallery (or watchlist) against which facial images from the VSS are compared, including the selection of appropriate images of sufficient quality, and the size of the gallery in relation to performance requirements; makes recommendations on data formats for facial images and other relevant information (including metadata) obtained from video footage, used in watchlist images, or from observations made by human operators.

Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org
Comment Deadline: September 14, 2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies: rules and guidelines for defining extensible biometric data interchange formats that are extensible without invalidating previous data structures; the meaning of common data elements for use in extensible biometric data interchange formats; common data structures for tagged binary data formats based on an extensible specification in ASN.1; common data structures for textual data formats based on an XML schema definition; and conformance testing concepts and methodologies for testing the syntactic conformance of biometric data blocks.
Single copy price: $225.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies: generic extensible data interchange formats for the representation of friction ridge image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information; examples of data record contents; application-specific requirements, recommendations, and best practices in data acquisition; and conformance test assertions and conformance test procedures applicable to this document.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

Specifies: generic extensible data interchange formats for the representation of face image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information; examples of data record contents; application-specific requirements, recommendations, and best practices in data acquisition; and conformance test assertions and conformance test procedures applicable to this document.
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Comment Deadline: September 14, 2021

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National Adoption
Specifies: generic extensible data interchange formats for the representation of iris image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information, examples of data record contents, application-specific requirements, recommendations, and best practices in data acquisition, and conformance test assertions and conformance test procedures applicable to this document.
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National Adoption
Provides guidelines to follow during the acquisition process of slap tenprints in order to obtain fingerprints of the best quality possible within acceptable time constraints.
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National Adoption
Supports evaluation of the accuracy, secrecy, and privacy of biometric template protection schemes. It establishes definitions, terminology, and metrics for stating the performance of such schemes. Particularly, this document establishes requirements for the measurement and reporting of: theoretical and empirical accuracy of biometric template protection schemes, theoretical and empirical probability of a successful attack on biometric template protection schemes (single or multiple), and the information leaked about the original biometric when one or more biometric template protection schemes are compromised. ISO/IEC 30136:2018 also gives guidance on measuring and reporting diversity and unlinkability of templates.
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Technical Reports Registered with ANSI

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

ITI (INCITS) (InterNational Committee for Information Technology Standards)
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Reaffirmed Technical Report

INCITS/ISO/IEC TR 10091:1995 [R2021], Information Technology - Technical Aspects of 130 mm Optical Disk Cartridge Write-Once Recording Format (reaffirm technical report)
Is a complement to ISO/IEC 9171-2 for the type A and B formats. Covers the figures that characterize each format, the relationship between these figures, and the technological background used to reach decisions concerning the formats; in addition, gives some examples of implementation.

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmed Technical Report

Provides guidelines for the control scenario including formatting, defect management, the usage of control zone data, etc. of drives which claim conformance to ISO/IEC 10090, in order to achieve better usability of the 90 mm optical disk cartridges conforming to ISO/IEC 10090.

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmed Technical Report

Provides guidance on measurement techniques for 90-mm rewritable/read-only optical disk cartridges. This technical report is to aid the understanding of interchangeability between disks and drives.

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmed Technical Report

INCITS/ISO/IEC TR 29189:2015 [R2021], Information technology - Biometrics - Evaluation of examiner assisted biometric applications (reaffirm technical report)
To identify and characterize those aspects of performance testing that are unique to examiner-assisted biometric applications.
Notice of Withdrawal: ANS at least 10 years past approval date

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

**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.org


**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.org

ANSI/AWS A5.21/A5.21M-2010, Specification for Bare Electrodes and Rods for Surfacing

**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.org

ANSI/AWS B5.5-2011, Specification for the Qualification of Welding Educators

**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.org

ANSI/AWS C3.11M/C3.11-2011, Specification for Torch Soldering

**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.org

ANSI/AWS C5.3-2000 (R2011), Recommended Practices for Air Carbon Arc Gouging and Cutting

**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672  |  pportela@aws.org, www.aws.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.

ABYC (American Boat and Yacht Council)
613 Third Street, Suite 10, Annapolis, MD 21403 | smoulton@abycinc.org, www.abycinc.org

New Standard
ANSI/ABYC A-7-2021, Liquid and Solid Fueled Boat Heating Systems (new standard) Final Action Date: 7/6/2021

New Standard

New Standard
ANSI/ABYC C-7-2021, Battery Switches for Use on Boats (new standard) Final Action Date: 7/6/2021

New Standard
ANSI/ABYC H-27-2021, Seacocks, Thru-Hull Fittings, and Drain Plugs (new standard) Final Action Date: 7/6/2021

Revision
ANSI/ABYC A-3-2021, Cooking Appliances (revision of ANSI/ABYC A-3-2013) Final Action Date: 7/6/2021

Revision

Revision

Revision
ANSI/ABYC C-1-2021, Primer Bulbs (revision of ANSI/ABYC C-1-2016) Final Action Date: 7/6/2021

Revision
ANSI/ABYC C-2-2021, Carbon Canisters for Marine Applications (revision of ANSI/ABYC C-2-2016) Final Action Date: 7/6/2021

Revision
ANSI/ABYC E-10-2021, Storage Batteries (revision of ANSI/ABYC E-10-2016) Final Action Date: 7/6/2021

Revision
ANSI/ABYC E-11-2021, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2018) Final Action Date: 7/6/2021

Revision

Revision

Revision
ANSI/ABYC H-5-2021, Boat Load Capacity (revision of ANSI/ABYC H-5-2017) Final Action Date: 7/6/2021

Revision
Final Actions on American National Standards

ABYC (American Boat and Yacht Council)
613 Third Street, Suite 10, Annapolis, MD  21403  | smoulton@abycinc.org, www.abycinc.org

Revision
ANSI/ABYC H-26-2021, Powering of Boats (revision of ANSI/ABYC H-26-2016) Final Action Date: 7/6/2021

Revision
ANSI/ABYC H-28-2021, Inflatable Boats (revision of ANSI/ABYC H-28-2016) Final Action Date: 7/6/2021

Revision

Revision
ANSI/ABYC P-6-2021, Propeller Shafting Systems (revision of ANSI/ABYC P-6-2016) Final Action Date: 7/6/2021

Revision
ANSI/ABYC S-8-2021, Boat Measurement and Weight (revision of ANSI/ABYC S-8-2016) Final Action Date: 7/6/2021

ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL  60611-2678  | bralowerp@ada.org, www.ada.org

National Adoption

National Adoption
ANSI/ADA Standard No. 105-2021, Elastomeric Auxiliaries for Use in Orthodontics (national adoption of ISO 21606:2007 with modifications and revision of ANSI/ADA Standard No. 105-2010 (R2015)) Final Action Date: 7/7/2021

National Adoption

National Adoption

National Adoption
ANSI/ADA Standard No. 182-2021, Test Method for the Bonding Test between Polymer Teeth and Denture Base Polymer (identical national adoption of ISO/TS 19736:2017) Final Action Date: 7/7/2021

National Adoption
ANSI/ADA Standard No. 194-2021, Color Tabs for Intraoral Tooth Color Determination (identical national adoption of ISO 22598:2020) Final Action Date: 7/7/2021

National Adoption
ANSI/ADA Standard No. 195-2021, Dental Tweezers (identical national adoption of ISO 15098:2020) Final Action Date: 7/7/2021

National Adoption
ANSI/ADA Standard No. 196-2021, Materials for Dental Instruments - Stainless Steel (identical national adoption of ISO 21850-1:2020) Final Action Date: 7/7/2021

National Adoption
ANSI/ADA Standard No. 197-2021, Spoons and Bone Curettes in Dentistry (identical national adoption of ISO 22570:2020) Final Action Date: 7/7/2021

National Adoption

Final Actions on American National Standards
ADA (American Dental Association)
211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption

National Adoption
ANSI/ADA Standard No. 47-1-2021, Stationary Dental Units and Patient Chairs - Part 1: General Requirements (national adoption of ISO 7494-1:2018 with modifications and revision of ANSI/ADA Standard No. 47-2006 (R2017)) Final Action Date: 7/7/2021

National Adoption

National Adoption

National Adoption
ANSI/ADA Standard No. 94-2021, Central Compressed Air Source Equipment (identical national adoption of ISO 22052:2020 and revision of ANSI/ADA Standard No. 94-1996 (R2014)) Final Action Date: 7/7/2021

Reaffirmation

Withdrawal
ANSI/ADA Standard No. 46-2016, Dental Patient Chair (withdrawal of ANSI/ADA Standard No. 46-2016) Final Action Date: 7/7/2021

Withdrawal
ANSI/ADA Standard No. 58-2010 (R2015), Root Canal Files, Type H (Hedstrom) (withdrawal of ANSI/ADA Standard No. 58-2010 (R2015)) Final Action Date: 7/6/2021

ASME (American Society of Mechanical Engineers)
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

New Standard
ANSI/ASME Y14.45-2021, Measurement Data Reporting (new standard) Final Action Date: 7/6/2021

Reaffirmation

Revision
ANSI/ASME HST-4-2021, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-2016) Final Action Date: 7/6/2021

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

Reaffirmation
ANSI/CSA LC 4-2012 (R2021), CSA 6.32-2012 (R2021) and LC4a-2013 (R2021), CSA 6.32a-2013 (R2021), Press-Connect Metallic Fittings For Use In Fuel Gas Distribution systems (reaffirmation of ANSI/CSA LC 4-2012 (R2017), CSA 6.32-2012 (R2016) and LC4a-2013 (R2017), CSA 6.32a-2013 (R2016)) Final Action Date: 7/6/2021
IIAR (International Institute of Ammonia Refrigeration)
1001 N. Fairfax Street, Suite 503, Alexandria, VA  22314-1797  | eric.smith@iiar.org, www.iiar.org

Revision

ISEA (ASC Z87) (International Safety Equipment Association)
1901 North Moore Street, Suite 808, Arlington, VA  22209  | cfargo@safetyequipment.org, www.safetyequipment.org

New Standard
ANSI ISEA Z87.62-2021, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids (new standard) Final Action Date: 7/6/2021

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC  20001  | comments@standards.incits.org, www.incits.org

New Standard
INCITS 506-2021, Information technology - SBC-4 (SCSI Block Commands - 4) (new standard) Final Action Date: 7/6/2021

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ  85260  | mweiker@ncpdp.org, www.ncpdp.org

Revision

Revision
ANSI/NCPDP FB v54-2021, NCPDP Formulary and Benefit Standard v54 (revision and redesignation of ANSI/NCPDP FB v53-2019) Final Action Date: 7/6/2021

Revision

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**NCPDP (National Council for Prescription Drug Programs)**
9240 East Raintree Drive, Scottsdale, AZ  85260  | mweiker@ncpdp.org, www.ncpdp.org

**Revision**
ANSI/NCPDP Specialty Pharmacy Reporting v14-2021, NCPDP Specialty Pharmacy Data Reporting Standard v14
(revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v13-2019) Final Action Date: 7/6/2021

**Revision**
ANSI/NCPDP TC vF7-2021, NCPDP Telecommunication Standard Version F7 (revision and redesignation of ANSI/NCPDP TC vF6-2019) Final Action Date: 7/6/2021

**Revision**

**NEMA (ASC C8) (National Electrical Manufacturers Association)**
1300 North 17th Street, Suite 900, Arlington, VA  22209  | Khaled.Masri@nema.org, www.nema.org

**Reaffirmation**
ANSI/NEMA WC 67-2015 (R2021), Standard for Uninsulated Conductors Used in Electrical and Electronic Applications
(reaffirmation of ANSI/NEMA WC 67-2015) Final Action Date: 7/6/2021

**Revision**
ANSI NEMA HP 6-2021, Electrical and Electronic Silicone and Silicone Braided Insulated, Hook-Up Wire, Types S (600 V), ZHS (600 V), SS (1000 V), ZHSS (1000 V), and SSB Braided (1000 V) (revision of ANSI/NEMA HP 6-2013) Final Action Date: 7/6/2021

**Revision**
ANSI NEMA WC 55021-2021, Standard for Military Internal Electrical Cable (revision of ANSI/NEMA WC 55021-2013)
Final Action Date: 7/6/2021

**NSF (NSF International)**
789 N. Dixboro Road, Ann Arbor, MI  48105-9723  | rbrooker@nsf.org, www.nsf.org

**Revision**
ANSI/NSF 455-4-2021 (i30r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020) Final Action Date: 6/29/2021

**OPEI (Outdoor Power Equipment Institute)**
1605 King Street, Alexandria, VA  22314  | dmustico@opei.org, www.opei.org

**New Standard**
ANSI/OPEI B71.6-2021, Powered Consumer Chipper/Shredders and Pedestrian-Controlled Chipper/Shredder Vacuums - Safety Specifications (new standard) Final Action Date: 7/6/2021

**TIA (Telecommunications Industry Association)**
1320 North Courthouse Road, Suite 200, Arlington, VA  22201-2598  | standards-process@tiaonline.org, www.

**Addenda**
**UL (Underwriters Laboratories)**
333 Pfingsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, https://ul.org/

**National Adoption**
ANSI/UL 61215-2-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (identical national adoption of IEC 61215-2 and revision of ANSI/UL 61215-2-2017) Final Action Date: 7/7/2021

**National Adoption**
ANSI/UL 61215-1-1-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (identical national adoption of IEC 61215-1-1 and revision of ANSI/UL 61215-1-1-2017) Final Action Date: 7/7/2021

**National Adoption**
ANSI/UL 61215-1-2-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe)-based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-2 and revision of ANSI/UL 61215-1-2-2018) Final Action Date: 7/7/2021

**National Adoption**
ANSI/UL 61215-1-3-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-3 and revision of ANSI/UL 61215-1-3-2018) Final Action Date: 7/7/2021

**National Adoption**
ANSI/UL 61215-1-4-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2018) Final Action Date: 7/7/2021

**Revision**

**Revision**

**Revision**
ANSI/UL 1277-2021a, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2021) Final Action Date: 7/8/2021

**Revision**
ANSI/UL 61215-1-2021, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements (revision of ANSI/UL 61215-1-2017) Final Action Date: 7/7/2021
Call for Members (ANS Consensus Bodies)

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

**ACP (American Clean Power Association)**
1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org
Michele Mihelic; standards@cleanpower.org

- BSR/ACP 1000-2.1-202x, Definitions and Nomenclatures (new standard)
- BSR/ACP 1000-2.2-202x, Rescue Training Requirements (new standard)
- BSR/ACP 1000-2.3-202x, Fall Protection Training Requirements (new standard)

**CPLSO**
The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org
Hugh Pratt; pratt.hugh@cplso.org

- BSR/CPLSO 18-202x, Crane Insulators - Selection, use and maintenance (new standard)

**DirectTrust (DirectTrust.org, Inc.)**
1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org
Stacy Clements; standards@directtrust.org

- BSR/DS2019-02-100-202x, Trusted Instant Messaging Plus (TIM+) Applicability Statement (new standard)
- BSR/DS 2019-01-200-202x, XDR and XDM for the Direct Standard™ (new standard)

DirectTrust specifically needs the following: a) Healthcare Sector (b) Government Sector (c) Healthcare Payer Sector (d) Consumer Sector and General Interest to create more of a balance.

**ECIA (Electronic Components Industry Association)**
13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org
Laura Donohoe; Idonohoe@ecianow.org

- BSR/EIA 364-123-202x, High Temperature Exposure with Contact Loading Test Procedure for Electrical Connectors (new standard)

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

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC  20001  | comments@standards.incits.org, www.incits.org


ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC  20001  | comments@standards.incits.org, www.incits.org


MTConnect (MTConnect Institute)
7901 Jones Branch Drive, Suite 900, McLean, VA  22102  | rwaddell@amtonline.org, http://www.amtonline.org
Russell Waddell; rwaddell@amtonline.org

BSR/MTC1.6-202x, MTConnect (revision and redesignation of ANSI/MTC1.4-2018)

NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209  | David.Richmond@nema.org, www.nema.org
David Richmond; David.Richmond@nema.org

BSR C136.49-202X, Plasma Lighting (revision of ANSI C136.49-2016)

NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI  48105-9723   | jsnider@nsf.org, www.nsf.org
Jason Snider; jsnider@nsf.org

BSR/NSF 14-202x (i116r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

BSR/NSF 53-202x (i134r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)

SCS (SCS Standards Development)
2200 Powell Street, Suite 725, Emeryville, CA  94608   | lbrown@scsglobalservices.com, www.scsglobalservices.com
Linda Brown; lbrown@scsglobalservices.com

BSR/SCS 003-202x, Radiative Forcing Climate Protocol - Organizations, Projects and Products (new standard)

SDI (ASC A250) (Steel Door Institute)
30200 Detroit Road, Westlake, OH  44145   | leh@wherryassoc.com, www.wherryassocsteeldoor.org
Linda Hamill; leh@wherryassoc.com

BSR A250.8-202x, Specifications for Standard Steel Doors & Frames (revision of ANSI A250.8-2017)
**TIA (Telecommunications Industry Association)**
1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.tiaonline.org
Teesha Jenkins; standards-process@tiaonline.org


BSR/TIA 568.5-202x, Single balanced twisted-pair cabling and components standard (new standard)


**VITA (VMEbus International Trade Association (VITA))**
929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com
Jing Kwok; jing.kwok@vita.com

BSR/VITA 65.0-202x, OpenVPX System Standard (revision of ANSI/VITA 65.0-2019)

BSR/VITA 65.1-202x, OpenVPX System Standard - Profile Tables (revision of ANSI/VITA 65.1-2019)
**Call for Members (ANS Consensus Bodies)**

**ANSI Accredited Standards Developer**

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

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

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC 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.
Approval of Reaccreditation – ASD
ABMA (ASC B3) - American Bearing Manufacturers Association: Ball and Roller Bearings
Effective July 14, 2021
ANSI's Executive Standards Council has approved the reaccreditation of American Bearing Manufacturers Association-sponsored ASC B3, Ball and Roller Bearings, under its recently revised operating procedures for documenting consensus on ABMA/ASC B3-sponsored American National Standards, effective July 14, 2021. For additional information, please contact: Amir Aboutaleb, American Bearing Manufacturers Association (ABMA (ASC B3)) | 1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | (703) 838-0053, aboutaleb@AGMA.org

Approval of Reaccreditation – ASD
GTESS - Georgia Institute of Technology Energy & Sustainability Services
Effective July 13, 2021
ANSI's Executive Standards Council has approved the reaccreditation of Georgia Institute of Technology Energy & Sustainability Services, under its recently revised operating procedures for documenting consensus on GTESS-sponsored American National Standards, effective July 13, 2021. For additional information, please contact: Deann Desai, Georgia Tech Energy & Sustainability Services (GTESS) | 75 Fifth Street N.W, Suite 3001, Atlanta, GA 30332-0640 | (770) 605-4474, deann.desai@Innovate.Gatech.edu
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 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
- 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
- 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)
- NAHBC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.
The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members and Final Actions. This section is a list of developers who have submitted standards for this issue of Standards Action – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to the PSA Department at psa@ansi.org.

### ANSI-Accredited Standards Developers (ASD) Contacts

<table>
<thead>
<tr>
<th>ASD</th>
<th>Contact Information</th>
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</table>
| AAFS | American Academy of Forensic Sciences  
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| ECIA | Electronic Components Industry Association  
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www.ecianow.org  
Laura Donohoe  
l donohoe@ecianow.org |
| IIAR | International Institute of Ammonia Refrigeration  
1001 N. Fairfax Street  
Suite 503  
Alexandria, VA  22314  
www.iiar.org  
Eric Smith  
eric.smith@iiar.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.

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<th>Field</th>
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<th>Aircraft and space vehicles (TC 20)</th>
<th>ISO/DIS 21442, Space systems - General requirements for control engineering - 5/6/2021, $102.00</th>
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<tr>
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<td>ISO/DIS 24246, Space systems - Requirements for Global Navigation Satellite System (GNSS) positioning augmentation centers - 9/24/2021, $93.00</td>
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<td>ISO/DIS 26870, Space systems - Launch pad and integration site operational documents - 5/10/2021, $67.00</td>
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<th>Anaesthetic and respiratory equipment (TC 121)</th>
<th>ISO/DIS 10651-4, Lung ventilators - Part 4: Particular requirements for user-powered resuscitators - 11/8/2006, $146.00</th>
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<th>Biotechnology (TC 276)</th>
<th>ISO/DIS 24088-1, Biotechnology - Biobanking - Requirements for the collection, processing, storage and transportation of microorganisms - Part 1: Bacteria and archaea - 9/26/2021, $77.00</th>
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<th>Building construction (TC 59)</th>
<th>ISO/DIS 29481-3, Building information models - Information delivery manual - Part 3: Data schema and code - 9/24/2021, $88.00</th>
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<th>Clinical laboratory testing and in vitro diagnostic test systems (TC 212)</th>
<th>ISO/DIS 17593, Clinical laboratory testing and in vitro medical devices - Requirements for in vitro monitoring systems for self-testing of oral anticoagulant therapy - 9/25/2021, $125.00</th>
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<tr>
<th>Corrosion of metals and alloys (TC 156)</th>
<th>ISO/DIS 24239, Fossil Fuel Power Plants Corrosion Control Engineering Life Cycle - General Requirements - 9/26/2021, $93.00</th>
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<th>Documents and data elements in administration, commerce and industry (TC 154)</th>
<th>ISO/DIS 5054-1, Specification for an Enterprise Canonical Model - Part 1: Architecture - 9/24/2021, $71.00</th>
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<th>Doors and windows (TC 162)</th>
<th>ISO/FDIS 22496, Windows and pedestrian doors - Vocabulary - 9/24/2021, $112.00</th>
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<th>Equipment for fire protection and fire fighting (TC 21)</th>
<th>ISO/DIS 7240-12, Fire detection and alarm systems - Part 12: Line type smoke detectors using a transmitted optical beam - 9/25/2021, $125.00</th>
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<th>Fire safety (TC 92)</th>
<th>ISO/DIS 3182, Light Measuring System for Smoke Emission Testing - 9/24/2021, $40.00</th>
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<tr>
<th>Graphic technology (TC 130)</th>
<th>ISO/DIS 12643-5, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Manually-fed stand-alone platen presses - 9/24/2021, $77.00</th>
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<th>Implants for surgery (TC 150)</th>
<th>ISO 18242/DAm1, Cardiovascular implants and extracorporeal systems - Centrifugal blood pumps - Amendment 1: Worst-case conditions for testing - 9/25/2021, $33.00</th>
</tr>
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</table>
ISO/FDIS 13179-1, Implants for surgery - Coatings on metallic surgical implants - Part 1: Plasma-sprayed coatings derived from titanium or titanium-6 aluminum-4 vanadium alloy powders - 11/13/2000, $40.00

Industrial automation systems and integration (TC 184)

Industrial furnaces and associated processing equipment (TC 244)

Machine tools (TC 39)
ISO/DIS 19085-8, Woodworking machines - Safety - Part 8: Belt sanding and calibrating machines for straight workpieces - 11/8/2005, $102.00

Measurement of fluid flow in closed conduits (TC 30)

Mechanical vibration and shock (TC 108)

Non-destructive testing (TC 135)
ISO/DIS 18563-1, Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 1: Instruments - 9/25/2021, $119.00

Nuclear energy (TC 85)
ISO/FDIS 24459, Determination of uranium content in samples coming from the nuclear fuel cycle by L-absorption edge spectrometry - 11/11/2027, $62.00
ISO/DIS 12749-2, Nuclear energy, nuclear technologies, and radiological protection - Vocabulary - Part 2: Radiological protection - 9/27/2021, $112.00

Paper, board and pulps (TC 6)
ISO/DIS 24196, Lignins - Determination of lignin content in kraft lignin, soda lignin, and hydrolysis lignin - 9/26/2021, $53.00

Pulleys and belts (including veebelts) (TC 41)
ISO/DIS 23586, Conveyor belts - Indentation rolling resistance related to belt width - Requirements, testing - 11/8/2005, $53.00

Rare earth (TC 298)
ISO/FDIS 23664, Traceability of rare earths in the supply chain from mine to separated products - 11/12/2025, $71.00

Road vehicles (TC 22)
ISO/FDIS 20730-3, Road vehicles - Vehicle interface for electronic Periodic Technical Inspection (ePTI) - Part 3: Data definitions - 11/12/2002, $112.00

Robots and robotic devices (TC 299)
ISO/FDIS 8373, Robotics - Vocabulary - 11/4/2010, $82.00

Rubber and rubber products (TC 45)
ISO/DIS 4646, Rubber- or plastics-coated fabrics - Low-temperature impact test - 11/8/2005, $46.00


Safety of machinery (TC 199)
ISO/DIS 13849-1.2, Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design - 11/9/2007, $175.00

Ships and marine technology (TC 8)
ISO/DIS 23806, Ships and marine technology - Cyber safety - 9/26/2021, $40.00

ISO/DIS 24224, Ships and marine technology - Tanker cargo manifold shore connection - Technical requirements - 9/25/2021, $67.00

Small craft (TC 188)
ISO/FDIS 10088, Small craft - Permanently installed fuel systems - 11/6/2024, $77.00

Solid mineral fuels (TC 27)
ISO/DIS 7936, Coal - Determination and presentation of float and sink characteristics - General directions for apparatus and procedures - 9/27/2021, $125.00

Sports and recreational equipment (TC 83)
ISO/DIS 23537-1, Requirements for sleeping bags - Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of ±20°C and higher - 11/8/2004, $98.00

Sterilization of health care products (TC 198)
ISO/DIS 11140-6, Sterilization of health care products - Chemical indicators - Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers - 11/8/2006, $112.00

Surface chemical analysis (TC 201)
ISO/DIS 23170, Surface chemical analysis - Depth profiling - Non-destructive depth profiling of nanoscale heavy metal oxide thin films on Si substrates with medium energy ion scattering - 11/8/2006, $88.00

Sustainable development in communities (TC 268)
ISO/FDIS 37106, Sustainable cities and communities - Guidance on establishing smart city operating models for sustainable communities - 5/8/2021, $125.00

Tobacco and tobacco products (TC 126)

Tractors and machinery for agriculture and forestry (TC 23)
ISO/FDIS 5682-4, Equipment for crop protection - Spraying equipment - Part 4: Test Methods for agitation of sprayer tanks - 11/12/2029, $53.00

Transfusion, infusion and injection equipment for medical use (TC 76)
ISO/DIS 24166-1, Snap-on bottles for metering pumps - Part 1: Tubular glass - 11/8/2004, $71.00


Transport information and control systems (TC 204)
ISO/DIS 5345, Intelligent transport systems - Identifiers - Processes - 9/27/2021, $53.00

Tyres, rims and valves (TC 31)

ISO/IEC JTC 1, Information Technology
ISO/IEC FDIS 27555, Information security, cybersecurity and privacy protection - Guidelines on personally identifiable information deletion - 11/14/2007, $88.00

ISO/IEC DIS 3721-1, Information technology - Computer graphics, image processing and environmental data representation - Information model for Mixed and Augmented Reality Contents - Part 1: Core Objects and Attributes - 9/25/2021, $107.00


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

### Building construction (TC 59)

- ISO 10845-4:2021, Construction procurement - Part 4: Standard conditions for the calling for expressions of interest, $149.00

### Fertilizers and soil conditioners (TC 134)

- ISO 22018:2021, Fertilizers, soil conditioners and beneficial substances - Determination of EDTA soluble phosphorus content in inorganic fertilizers, $111.00

### Fine ceramics (TC 206)

- ISO 23331:2021, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for total electrical conductivity of conductive fine ceramics, $73.00

- ISO 22197-4:2021, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 4: Removal of formaldehyde, $73.00

- ISO 22197-5:2021, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 5: Removal of methyl mercaptan, $73.00

### Fire safety (TC 92)

- ISO 21524:2021, Fire resistance tests - Elements of building construction - Requirements for active fire curtains, $250.00

### Nanotechnologies (TC 229)

- ISO 19749:2021, Nanotechnologies - Measurements of particle size and shape distributions by scanning electron microscopy, $225.00

### Plastics pipes, fittings and valves for the transport of fluids (TC 138)

- ISO 19220:2021, Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Styrene copolymer blends (SAN + PVC), $175.00

### Quality management and quality assurance (TC 176)

- ISO 10017:2021, Quality management - Guidance on statistical techniques for ISO 9001:2015, $175.00

### Rubber and rubber products (TC 45)

- ISO 6505:2021, Rubber, vulcanized or thermoplastic - Determination of tendency to adhere to and corrode metals, $73.00

### Screw threads (TC 1)

- ISO 965-2/Amd1:2021, ISO general purpose metric screw threads - Tolerances - Part 2: Limits of sizes for general purpose external and internal screw threads - Medium quality - Amendment 1, $20.00

- ISO 965-5/Amd1:2021, ISO general purpose metric screw threads - Tolerances - Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing - Amendment 1, $20.00

- ISO 965-3:2021, ISO general purpose metric screw threads - Tolerances - Part 3: Limit deviations for screw threads, $149.00

### Ships and marine technology (TC 8)

- ISO 23152:2021, Ships and marine technology - Ballast water management systems (BWMS) - Computational physical modelling and calculations on scaling of UV reactors, $111.00

### Small craft (TC 188)

- ISO 11592-2:2021, Small craft - Determination of maximum propulsion power rating using manoeuvring speed - Part 2: Craft with a length of hull between 8 m and 24 m, $73.00

### Solid biofuels (TC 238)

- ISO 17225-5:2021, Solid biofuels - Fuel specifications and classes - Part 5: Graded firewood, $73.00

- ISO 17225-6:2021, Solid biofuels - Fuel specifications and classes - Part 6: Graded non-woody pellets, $73.00

- ISO 17225-7:2021, Solid biofuels - Fuel specifications and classes - Part 7: Graded non-woody briquettes, $73.00

- ISO 17225-9:2021, Solid biofuels - Fuel specifications and classes - Part 9: Graded hog fuel and wood chips for industrial use, $73.00
Newly Published ISO & IEC Standards

Sports and recreational equipment (TC 83)

ISO 23223:2021, Alpine ski boots with improved walking soles - Interface with alpine ski-bindings - Requirements and test methods, $200.00

Sterilization of health care products (TC 198)

ISO 17664-1:2021, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 1: Critical and semi-critical medical devices, $149.00

Sustainable development in communities (TC 268)

ISO 37167:2021, Smart community infrastructures - Smart transportation for energy saving operation by intentionally driving slowly, $73.00

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

ISO 22748:2021, Absorbent incontinence products for urine and/or faeces - Product type names and illustrations, $73.00

ISO 11199-2:2021, Assistive products for walking manipulated by both arms - Requirements and test methods - Part 2: Rollators, $175.00

Tourism and related services (TC 228)

ISO 21902:2021, Tourism and related services - Accessible tourism for all - Requirements and recommendations, $250.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 12934:2021, Tractors and machinery for agriculture and forestry - Basic types - Vocabulary, $48.00

Transport information and control systems (TC 204)

ISO 22737:2021, Intelligent transport systems - Low-speed automated driving (LSAD) systems for predefined routes - Performance requirements, system requirements and performance test procedures, $200.00

Water quality (TC 147)

ISO 13163:2021, Water quality - Lead-210 - Test method using liquid scintillation counting, $149.00

ISO Technical Reports

Aircraft and space vehicles (TC 20)

ISO/TR 22639:2021, Space systems - Design guidelines for multi-geo spacecraft collocation, $149.00

Equipment for fire protection and fire fighting (TC 21)

ISO/TR 23107:2021, Criteria for assessment of new extinguishants for inclusion in the ISO 14520 series, $48.00

ISO Technical Specifications

Agricultural food products (TC 34)

ISO/TS 21569-2:2021, Molecular biomarker analysis - Methods of analysis for the detection of genetically modified organisms and derived products - Part 2: Construct-specific real-time PCR method for detection of event FP967 in linseed and linseed products, $73.00

Industrial automation systems and integration (TC 184)


ISO/TS 10303-16:2021, Industrial automation systems and integration - Product data representation and exchange - Part 16: Description methods: SysML XMI to EXPRESS transformation, $175.00

Road vehicles (TC 22)

ISO/TS 23521:2021, Road vehicles - Calibration procedure for displacement devices, $48.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 30165:2021, Internet of Things (IoT) - Real-time IoT framework, $26.00

ISO/IEC 11770-7:2021, Information security - Key management - Part 7: Cross-domain password-based authenticated key exchange, $149.00

ISO/IEC 23090-2:2021, Information technology - Coded representation of immersive media - Part 2: Omnidirectional media format, $250.00

IEC Standards

Alarm systems (TC 79)

IEC 60839-11-5 Ed. 1.0 b:2020, Alarm and electronic security systems - Part 11-5: Electronic access control systems - Open supervised device protocol (OSDP), $392.00

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

IEC 63296-1 Ed. 1.0 b:2021, Portable multimedia equipment - Determination of battery duration - Part 1: Powered loudspeaker equipment, $89.00
Newly Published ISO & IEC Standards

IEC 61966-2-4 Amd.2 Ed. 1.0 en:2021, Amendment 2 - Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications - xvYCC, $51.00

IEC 61966-2-4 Ed. 1.2 en:2021, Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications - xvYCC, $190.00

Capacitors and resistors for electronic equipment (TC 40)

IEC 60384-24 Ed. 3.0 b:2021, Fixed capacitors for use in electronic equipment - Part 24: Sectional specification - Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte, $259.00

IEC 60384-25 Ed. 3.0 b:2021, Fixed capacitors for use in electronic equipment - Part 25: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte, $259.00

S+ IEC 60384-24 Ed. 3.0 en:2021 (Redline version), Fixed capacitors for use in electronic equipment - Part 24: Sectional specification - Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte, $338.00

S+ IEC 60384-25 Ed. 3.0 en:2021 (Redline version), Fixed capacitors for use in electronic equipment - Part 25: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte, $338.00

Documentation and graphical symbols (TC 3)

IEC 60152 Ed. 2.0 b:2021, Designation of phase differences by hour numbers in three-phase AC systems, $25.00

Electrical equipment in medical practice (TC 62)

IEC 60601-2-19 Ed. 3.0 b:2020, Medical electrical equipment - Part 2 -19: Particular requirements for the basic safety and essential performance of infant incubators, $259.00

IEC 60601-2-20 Ed. 3.0 b:2020, Medical electrical equipment - Part 2 -20: Particular requirements for the basic safety and essential performance of infant transport incubators, $310.00

Lamps and related equipment (TC 34)

IEC 63103 Ed. 1.0 b:2020, Lighting equipment - Non-active mode power measurement, $259.00

Maritime navigation and radiocommunication equipment and systems (TC 80)

IEC 61162-3 Ed. 1.2 b:2014, Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 3: Serial data instrument network, $304.00

IEC 61162-3 Ed. 1.1 b:2010, Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 3: Serial data instrument network, $190.00

IEC 61162-3 Amd.1 Ed. 1.0 b:2010, Amendment 1 - Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 3: Serial data instrument network, $13.00

Power electronics (TC 22)

S+ IEC/TR 62001-1 Ed. 2.0 en:2021 (Redline version), High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 1: Overview, $543.00

Safety of household and similar electrical appliances (TC 61)

IEC 60335-2-72 Ed. 5.0 en:2021, Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use, $392.00

S+ IEC 60335-2-72 Ed. 5.0 en:2021 (Redline version), Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use, $510.00

Switchgear and controlgear (TC 17)

IEC 62271-112 Ed. 2.0 b:2021, High-voltage switchgear and controlgear - Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines, $221.00

S+ IEC 62271-112 Ed. 2.0 en:2021 (Redline version), High-voltage switchgear and controlgear - Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines, $288.00

IEC Technical Reports

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

IEC/TR 63308 Ed. 1.0 en:2021, Virtual reality equipment and systems - Market, technology and standards requirements, $133.00

Fluids for electrotechnical applications (TC 10)

IEC/TR 63025 Ed. 1.0 en:2021, Insulating liquids - Quantitative determination of methanol and ethanol in insulating liquids, $221.00

Power electronics (TC 22)

IEC/TR 62001-1 Ed. 2.0 en:2021, High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 1: Overview, $417.00
USNC Participants and USNC TAG Administrator Needed

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

Response Deadline: August 6, 2021

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

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

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

Scope

- To prepare international standards on performance measurement methods for electrical air cleaners for household and similar purposes.
- NOTE 1: Cooking fume extractors are covered by SC 59K.
- NOTE 2: Health care equipment is under the scope of IEC TC 62 (Electrical equipment in medical practice).
International (ISO) Secretariat Transfer
ISO TC 104 - Freight Containers
Reply Deadline: August 6, 2021
Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 104—Freight Containers. ANSI directly administers the Secretariat for ISO/TC 104 with the support of MHI. MHI has advised ANSI to relinquish its role as Secretariat for this committee beginning in 2022. Outreach was conducted within the current US/TAG membership and Emerson, a US/TAG member, has indicated its commitment to continue to fund ANSI for its role in directly administering the Secretariat. The US/TAG has approved this transfer from MHI to Emerson.

ISO/TC 104 operates under the following scope:

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

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

Transfer of TAG Administrator – U.S. TAG to ISO
ISO/TC 104 - Freight Containers, ISO/TC 104/SC 1 - General Purpose Containers, ISO/TC 104/SC 4 - Identification and Communication
Reply Deadline: August 6, 2021
ANSI has been informed that MHI, the ANSI-accredited U.S. TAG Administrator for ISO/TC 104, ISO/TC 104/SC 1, ISO/TC 104/SC 2, and ISO/TC 104/SC4, wishes to relinquish their role as U.S. TAG Administrator effective December 31, 2021. Emerson, current US/TAG member, has committed to taking on the role as US/TAG Administrator beginning on January 1, 2022. The US/TAG has approved this transfer.

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

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

Organizations wishing to comment on the transfer of US/TAG Administrators from MHI to Emerson should contact ANSI’s ISO Team (isot@ansi.org).
Registration of Organization Names in the United States

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

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

FiRa

Public Review: June 25 through September 27, 2021

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

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

Call for Comment

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

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

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.
BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 90.4-2019

Public Review Draft

Proposed Addendum f to Standard 90.4-2019, Energy Standard for Data Centers

First Public Review (July 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.

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

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(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 f modifies Section 5.2.1 to add specific language about building envelope criteria for data centers and how it is to be accounted for in the MLC calculations.

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. 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 previous public review draft 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 90.4-2019

Modify Section 5 as follows:

5.1 General

5.1.1 Scope. Section 5 specifies the requirements for the building envelope.

5.2 Compliance Paths

5.2.1 Compliance. If a data center HVAC system meets Section 6.2, as adopted by the jurisdiction, then that data center’s portion of the building envelope shall be considered to be in compliance with Standard 90.4. Documentation describing the building envelope’s net hourly thermal effect shall be included in a project’s hourly Mech Energy% whenever considered necessary by either the building official or the design professional.

Exception to 5.2.1 Compliance: When building envelope does comply with ANSI/ASHRAE/IES Standard 90.1 as adopted by the jurisdiction, Section 5 the building envelope effect shall not be required to be part of a project’s MLC calculation.
BSR/ASHRAE Addendum v to ANSI/ASHRAE Standard 34-2019

Public Review Draft

Proposed Addendum v to Standard 34-2019, Designation and Safety Classification of Refrigerants

First Public Review (July 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.

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180 Technology Parkway NW, Peachtree Corners, GA 30092
FOREWORD

This addendum adds the zeotropic refrigerant blend R-475A to Tables 4-2 and D-2.

Note: 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 v to Standard 34-2019**

**Modify Tables 4-2 and D-2 as shown.**

**Table 4-2 Data and Safety Classifications for Refrigerant Blends**

<table>
<thead>
<tr>
<th>Refrigerant Number</th>
<th>Composition (Mass %)</th>
<th>Composition tolerances</th>
<th>OEL</th>
<th>Safety Group</th>
<th>RCL</th>
<th>Highly Toxic or Toxic Under Code Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>475A</td>
<td>R-1234yf/134a/1234ze(E) (45.0/43.0/12.0)</td>
<td>±1.0/±1.0/±1.0</td>
<td>690 ppm v/v</td>
<td>A1</td>
<td>73,000 ppm v/v: 20.0 lb/Mcf; 320 g/m³</td>
<td>Neither</td>
</tr>
</tbody>
</table>

**Table D-2 Data Classifications for Refrigerant Blends**

<table>
<thead>
<tr>
<th>Refrigerant Number</th>
<th>Composition (Mass %)</th>
<th>Average Relative Molar Mass</th>
<th>Bubble Point (°F)</th>
<th>Dew Point (°F)</th>
<th>Bubble Point (°C)</th>
<th>Dew Point (°C)</th>
</tr>
</thead>
</table>
BSR/ASHRAE Addendum w to ANSI/ASHRAE Standard 34-2019

Public Review Draft

Proposed Addendum w to Standard 34-2019, Designation and Safety Classification of Refrigerants

First Public Review (July 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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180 Technology Parkway NW, Peachtree Corners, GA 30092
FOREWORD

This addendum adds the zeotropic refrigerant blend R-472B to Tables 4-2 and D-2.

Note: 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 w to Standard 34-2019

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = 472B
Composition (Mass %) = R-744/32/134a (58.0/10.0/32.0)
Composition tolerances = ±1.0/±1.0/±1.0
OEL = 2400 ppm v/v
Safety Group = A1
RCL = 36,000 ppm v/v; 5.0 lb/Mcf; 80 g/m³
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends
Refrigerant Number = 472B
Composition (Mass %) = R-744/32/134a (58.0/10.0/32.0)
Average Relative Molar Mass = 54.8 g/mol
Bubble Point (°F) = -117.2
Dew Point (°F) = -66.6
Bubble Point (°C) = -82.9
Dew Point (°C) = 54.8
NSF/ANSI Standard for Plastics —

Plastics piping system components and related materials

9 Quality Assurance

Table 9.35

<table>
<thead>
<tr>
<th>Test</th>
<th>Pipe¹</th>
<th>Fittings²</th>
<th>U-bends</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrostatic pressure test</td>
<td>—</td>
<td>—</td>
<td>annually</td>
</tr>
<tr>
<td>chemical resistance</td>
<td>annually</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>thermocyclic</td>
<td>annually</td>
<td>annually</td>
<td>—</td>
</tr>
<tr>
<td>pressure test – mechanical joints³</td>
<td>annually</td>
<td>annually</td>
<td>—</td>
</tr>
<tr>
<td>constant tensile load joint test⁸</td>
<td>annually</td>
<td>annually</td>
<td>—</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>product standard(s)</th>
<th>NSF 358-1¹</th>
<th>NSF 358-1²</th>
<th>NSF 358-1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NSF 358-2³</td>
<td>NSF 358-2⁴</td>
<td>NSF 358-2</td>
</tr>
<tr>
<td></td>
<td>NSF 358-3⁵</td>
<td>NSF 358-3⁶</td>
<td>NSF 358-3</td>
</tr>
<tr>
<td></td>
<td>NSF 358-4⁷</td>
<td>NSF 358-4⁸</td>
<td>NSF 358-4</td>
</tr>
</tbody>
</table>

¹ PEX pipe shall conform to ASTM F876 or CSA B137.5 and follow the respective QC requirements.
² PEX fittings shall conform to ASTM F877, ASTM F1055, ASTM F1807, ASTM F1960, ASTM F2080, ASTM F2159, ASTM F2159, or CSA B137.5 and follow the respective QC requirements.
³ PE pipe shall conform to ASTM D2737, ASTM D3035, ASTM F714, CSA B137.1 or AWWA C901 and follow the respective QC requirements.
⁴ PE fittings shall conform to ASTM D2683, ASTM 3261 or ASTM F1055 and follow the respective QC requirements.
⁵ Polypropylene pipe shall conform to ASTM F2389 and follow the respective QC requirements.
⁶ Polypropylene fittings shall conform to ASTM F2389 and follow the respective QC requirements.
⁷ PEX pipe shall conform to ASTM F876 or CSA B137.5 and follow the respective QC requirements.
⁸ PEX fittings shall conform to ASTM F877, ASTM F1055, ASTM F1807, ASTM F1960, ASTM F2080, ASTM F2159, ASTM F2434, or CSA B137.5 and follow the respective QC requirements.
⁹ PE-RPT pipe shall conform to ASTM F2623 or CSA B138.18 and follow the respective QC requirements.
¹⁰ PE-RPT Fittings shall conform to ASTM F1055, ASTM F1807, ASTM F2080, ASTM F2159, ASTM F2434, or CSA B137.18 and follow the respective QC requirements.
¹¹ Test not applicable to pipe and fittings conforming to NSF 358-1 (PE) or NSF 358-2 (Polypropylene)
7 Election performance claims- Test methods

7.3 Mechanical filtration reduction claims

7.3.1 Asbestos reduction testing

7.3.1.6.5.3 Asbestos challenge procedure

The asbestos challenge procedure shall be performed as follows:

a) The asbestos suspension specified in Section 7.3.1.4.3 shall be added to the water just prior to the sample point. The asbestos suspension specified feed shall be 10 bed volumes, or one filling volume of the influent reservoir, whichever is greater.

b) The test dust loading water, specified in Section 7.3.1.4.2, shall be used until the time required to complete one cycle has increased by to 133% of the original cycle filling time.

c) The asbestos challenge test water, specified in Section 7.3.1.4.3, shall be used for 10 bed volumes, or one filling volume of the influent reservoir, whichever is greater.

d) The test dust loading water shall be used until the time required for one filling cycle has increased by to 200% from of the original cycle filling time.

e) The asbestos challenge test water, specified in Section 7.3.1.4.3, shall be used for 10 bed volumes, or one filling volume of the influent reservoir, whichever is greater.

f) The test dust loading water shall then be used until the time required for one filling cycle has increased by to 400% from of the original cycle filling time.

g) The asbestos challenge test water, specified in Section 7.3.1.4.3, shall be used for 10 bed volumes, or one filling volume of the influent reservoir, whichever is greater.
7.3.1.7 Sampling

7.3.1.7.1 Batch treatment systems

Influent and effluent samples shall be collected:

— at the beginning of the “on” portion of the second cycle, or passage of 10 bed volumes; and
— at the beginning of the “on” portion of the second cycle of challenge test water introduced when the original filling time of the system has increased by 133%, 200%, and 400% of the original filling time.

7.3.2 Cyst reduction

7.3.2.1.6.3 Batch treatment systems

The C. parvum oocyst challenge procedure shall be performed as follows:

a) The challenge test water, specified in Section 7.3.2.1.4.3, shall be used until the end of the eighth cycle.

b) The test dust loading water, specified in Section 7.3.2.1.4.2, shall be used until the time required to complete one filling cycle has increased by 133% of the original cycle filling time.

c) The general test water without challenge, specified in Section 7.3.2.1.4.1, shall be used for two cycles.

d) The challenge test water, specified in Section 7.3.2.1.4.3, shall be used for four cycles.

e) The test dust loading water shall be used until the time required for one filling cycle has increased by 200% from the original cycle filling time. Steps c and d shall then be repeated.

f) The test dust loading water shall then be used until the time required for one filling cycle has increased by 400% from the original cycle filling time. Steps c and d shall then be repeated.

7.3.2.1.7 Sampling

7.3.2.1.7.2 Batch treatment systems
Influent (aliquot is removed by inserting a pipette to the midpoint of the raw water reservoir) and effluent samples shall be collected:

— at the beginning of the “on” portion of the eighth cycle; and

— at the beginning of the “on” portion of the fourth batch of challenge test water introduced when the original filling time of the system time required for one filling cycle has increased by to 133%, 200%, and 400% of the original filling time.

7.3.2.2 Polystyrene microsphere reduction for systems other than those used in bottled water plants

7.3.2.2.6.3 Batch treatment systems

7.3.2.2.6.3.3 Polystyrene microsphere challenge procedure

The polystyrene microsphere challenge procedure shall be performed as follows:

a) The challenge test water, specified in Section 7.3.2.2.4.3, shall be used until the end of the eighth cycle.

b) The test dust loading water, specified in Section 7.3.2.2.4.2, shall be used until the time required to complete one filling cycle has increased by to 133% of the original cycle filling time.

c) The general test water without challenge, specified in Section 7.3.2.2.4.1, shall be used for two cycles.

d) The challenge test water, specified in Section 7.3.2.2.4.3, shall be used for four cycles.

e) The test dust loading water shall be used until the time required for one filling cycle has increased by to 200% from of the original cycle filling time. Steps c and d shall then be repeated.

f) The test dust loading water shall then be used until the time required for one filling cycle has increased by to 400% from of the original cycle filling time. Steps c and d shall then be repeated.

7.3.2.7 Sampling

7.3.2.7.2 Batch treatment systems

Influent (aliquot is removed by inserting a pipette to the midpoint of the raw water reservoir) and effluent samples shall be collected:

— at the beginning of the “on” portion of the eighth cycle; and
7.3.3 Turbidity reduction test

7.3.3.7 Sampling

7.3.3.7.2 Batch treatment systems

Influent (aliquot removed by inserting pipette to midpoint of raw water reservoir) and effluent samples shall be collected at the beginning of the “on” portion of the fourth cycle and after each “on” cycle when the original filling time of the system time required for one filling cycle has increased by 133%, 200%, and 400% of the original filling time.

Rationale: Revised per 2021 DWTU JC meeting discussion (May 12, 2021) to correct language throughout Section 7.3 pertaining to batch systems. The revised language reflects the intention for the sampling to be taken when the filling time is increased by 33%, 100%, and 300%, which is consistent with plumbed-in devices that are measured by a reduction flow rate.
BSR/UL 498M, Standard for Marine Shore Power Inlets

1. Additional requirements for shore power inlet connection safety

PROPOSAL

1.2 Shore power inlets shall also comply with the applicable requirements of either UL 498F or UL 498D as identified in Table 1.1 or Table 1.2, except as modified by these requirements.

**Table 1.1**
ANSI/NEMA Configuration with Applicable UL Standards

<table>
<thead>
<tr>
<th>ANSI/NEMA Configuration</th>
<th>Applicable UL Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5-20P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L5-30P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L6-20P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L6-30P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L14-20P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L14-30P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>L15-20P</td>
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<td>L15-30P</td>
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<td>L21-20P</td>
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<tr>
<td>L21-30P</td>
<td>UL 498F</td>
</tr>
<tr>
<td>SS1-50P</td>
<td>UL 498D</td>
</tr>
<tr>
<td>SS2-50P</td>
<td>UL 498D</td>
</tr>
</tbody>
</table>

**Table 1.2**
Non-ANSI/NEMA Configuration with Applicable UL Standards

<table>
<thead>
<tr>
<th>Non-ANSI/NEMA Configuration</th>
<th>Applicable UL Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shore Power Inlets rated 30 A 125 V</td>
<td>UL 498F</td>
</tr>
<tr>
<td>Shore Power Inlets rated 50 A 125/250 V</td>
<td>UL 498D</td>
</tr>
</tbody>
</table>

4.2 The following publications are referenced in this Standard:

ANSI/NEMA WD6, Wiring Devices – Dimensional Specifications
6.2A Other locking and grounding type receptacles with 30 A 125 V or 50 A 125/250 V ratings not identified in Table 6.1, may be provided in addition to the required receptacle configurations and shall be investigated together as a matched pair consisting of shore power inlet and mating connector of the same manufacturer, that are marked for use in Marina and Boatyard applications only.

6.3 A shore power inlet shall be provided with a threaded hub and a threaded or hinged face cover. The hub and the face cover, if threaded, shall have a 2-3/4 – 16, Class 2 thread having at least three full threads. A shore power inlet shall be dimensioned to couple with a shore power cable set load fitting of a corresponding configuration. The face cover shall be positively retained in place on the shore power inlet. See Table 6.1 and Figure 6.1 for the required dimensions.

Exception: Other locking and grounding type receptacles with 30 A 125 V or 50 A 125/250 V ratings are not required to comply with the dimensional specifications identified in Table 6.1 and as shown in Figure 6.1. These other locking and grounding type receptacles are considered to be non-standard configurations.

15 Markings
15.1 All markings and instructions required by this section shall be legibly and permanently marked and readily visible in the specified location.

15.2 A marking shall be die stamped, ink stamped, painted, molded, or otherwise applied in a manner determined to be indelible in accordance with UL 969. Other contrasting methods providing equivalent prominence and permanence meet the intent of the requirement.

15.3 Non-standard configuration locking and grounding type shore power inlets identified in Table 1.2, shall be marked where visible during use with “USE ONLY WITH SERIES MARINE SHORE POWER CABLE SETS” or equivalent statement where the blank includes the manufacturer’s name and product series designation. The marking on each device (shore power inlet and mating shore power cable sets) shall be visible during use.

Note: Refer to UL 817 for corresponding marking requirements for the marine shore power cable set.
BSR/UL 817, Standard for Safety for Cord Sets and Power-Supply Cords

PROPOSAL(S)

20.9 Cord sets and power supply cords constructed in accordance with 6.7.4, employing a flexible cord with a "-B" suffix, shall be marked to indicate the complete flexible cord type. Such marking shall appear as required in Sections 20, 21, 22, 30, 31, and 32, as applicable.
BSR/UL 817, Standard for Safety for Cord Sets and Power-Supply Cords

PROPOSAL(S)

SB7.1 A shore power cable set shall employ one of the plugs and one connector of the locking and grounding types as follows:

a) NEMA configurations L5-20, L5-30, L6-20, L6-30, L14-20, L14-30, L15-20, L15-30, L21-20, L21-30, SS1-50, or SS2-50; or

b) A nonstandard configuration rated 30A, 125V, 2-pole, 3-wire or 50A, 125/250V, 3-pole, 4-wire, investigated as a matched pair consisting of a shore power inlet and the mating connector of the same manufacturer and marked as indicated in SB19.

SB7.1.1 Other locking and grounding cable sets, with 30A 125V or 50A 125-250V ratings not identified in Table SB7.1, may be provided in addition to the required receptacle configurations and shall be investigated together as a matched pair consisting of shore power inlet and mating connector of the same manufacturer, that are marked for use in Marina and Boatyard applications only.

SB7.4 A NEMA connector as indicated in SB7.1 (a) shall:

a) Be provided with a threaded coupling ring for attachment to a threaded hub of a shore power inlet that shall be positively retained in place on the connector. The coupling ring shall have a 2-3/4 - 16, Class 2 thread having at least three full threads. See Figure SB7.1. The connector can also be provided with a threaded coupler that engages the threaded hub of a shore power inlet that shall be positively retained in place on the load fitting. The coupler shall have a 2-3/4 - 16, Class 2 female thread and engage at least three threads of the shore power inlet. The threads are not required to go around the complete coupler.

b) Prevent water from entering between the connector and the shore power inlet as determined by the flexure and water-spray test in Section SB10, Flexure and Water Spray Test.

c) Be dimensioned to couple with a shore power inlet of a corresponding configuration. See Figure SB7.1 and Table SB7.1 for the required dimensions of cord connectors and shore power inlets.

SB7.5 A nonstandard connector as indicated in SB7.1(b) shall:

a) Prevent water from entering between the connector and the shore power inlet as determined by the flexure and water-spray test in Section SB10, Flexure and Water Spray Test.

INSTRUCTIONS

(NEW)
SB19 Product Markings

SB19.1 The plug and connector of a marine-shore power cable set employing nonstandard fittings as indicated in SB7.1(b) shall be marked with the following or equivalent: "USE ONLY WITH MATING _____, _____ SERIES by _____." The first blank shall be filled in with "OUTLET" for the tag intended for the plug and "INLET" for the tag intended for the connector. The second blank shall be filled in with the mating inlet / outlet model series designation as appropriate. The third blank shall be filled in with the manufacturer’s name for the mating inlet / outlet.

SB19.2 The marking of SB19.1 shall be printed on a tear-resistant tag or flat bracelet type label or the -equivalent within 152 mm (6 in) of the face of each fitting. The markings and tags shall comply with the permanence requirements of 21.3.1.

Note: Refer to UL 498M for corresponding marking requirements for the marine shore power inlet.
BSR/UL 8750, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products

1. Add Exception for Transformers Utilizing a Thermoset Varnish

**PROPOSAL**

6.7.3 Polymeric potting compound that can touch any part of the insulation system of a transformer shall be tested in accordance with Supplement SA – Substitutions or Modification to an Electrical Insulation System in the Standard for Systems of Insulating Materials – General, UL 1446.

*Exception No. 1:* This test does not apply if the transformer is not used for the mitigation of the risk of electric shock or is not used to separate Class 2 circuits or LVLE circuits from hazardous circuits.

*Exception No. 2:* This test does not apply if the transformer insulation system already includes the potting.

*Exception No. 3:* This test does not apply if the insulation system is used up to the temperature permitted for class 105 (A) according to Table 8.1 of this standard.

*Exception No. 4:* This test does not apply for thermosetting potting compounds where the insulation system of a transformer utilizes a thermoset varnish which completely encloses the coil windings- preventing the potting compound from making contact with the winding wire insulation.

2. Revisions to Supplement SB: Type HL LED Drivers

**PROPOSAL**

1.4 The requirements in this standard do not anticipate additional construction, performance and marking considerations for the following end-applications: LED equipment subject to weather (outdoor use), LED equipment installed in air handling spaces or in other environmental air spaces (plenums), LED equipment intended for Emergency Lighting and Power Equipment, LED equipment with integral batteries (and battery packs), and LED equipment used in fire rated installations. LED equipment with such end-applications is subject to additional evaluation per applicable standards.

**SUPPLEMENT SB – REQUIREMENTS FOR TYPE HL LED DRIVERS**

**SB1 Scope**

SB1.1 This Supplement has explosion protection by encapsulation requirements for LED drivers that are intended for use in a Class I, Division 2 hazardous (classified) location luminaires. LED drivers which meet the requirements in this supplement are identified as Type HL.
Note: These requirements provide only one option for evaluation of LED drivers that are intended for use in a Class I, Division 2 hazardous (Classified) location luminaires. LED drivers that do not comply with the requirements of this Supplement can be evaluated for hazardous (classified) location applications per alternate requirements in the The Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, ANSI/ISA-12.12.01, has the full spectrum of requirements for electrical equipment for use in hazardous (classified) locations. These alternate requirements provide options for compliance that cannot be addressed by this Supplement.

SB2  Construction

SB2.1 A Type HL LED driver shall comply with all applicable construction requirements of this standard.

SB2.2 A Type HL LED driver shall have all internal parts fully submerged in potting compound so that all components other than input and output leads/terminals are sealed.

SB2A  Explosion protection by encapsulation construction

SB2A.1 A Type HL LED driver provides a Class I, Division 2 means for explosion protection when all parts are fully encapsulated by being fully submerged in potting compound, unless otherwise permitted by this Supplement. Such fully potted constructions provide a seal for the potential sources of ignition from the flammable atmosphere.

SB2A.2 Parts that shall be fully submerged in potting compound include the body and leads of all capacitors, potentiometers, relays/switches, transformers, inductors, coils, resistors, diodes, and printed wiring boards. Such parts shall not be visible or accessible external to the potting compound for any reason, including adjustments. Potentiometers shall not be permitted to be accessible external to the potting compound. Exposed integral functioning antennae shall not be permitted to be marked Type HL, as such an antennae presents a risk of explosion and requires an evaluation in accordance with the Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, UL 121201, for Class I, Division 2.

SB2A.3 Parts that may be visible and accessible external to the potting compound are limited to the following:

a) Cords, cables, leads and their terminals for input or output power,

b) Terminals for wired control and antenna interconnection, and

c) The portion of a printed wiring board on which the parts detailed in (a) and (b) may be terminated.
For cords, cables and leads for input or output power that enter directly into the potting compound, it is not necessary to remove any outer jacket from around the cords, cables or leads at the point of entry into the potting compound.

SB2A.4 Batteries and battery packs are not permitted in this Supplement. LED drivers with batteries and battery packs for Class I, Division 2 applications are covered under the Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, UL 121201.

SB2A.5 Compliance with this Supplement is determined by visual examination, in particular that all parts in accordance with SB2A.2 are fully submerged in potting compound, with no visible gaps or breaks.

SB3 Performance

SB3.1 A Type HL LED driver shall comply with all applicable performance requirements of this standard.

SB4 Marking

SB4.1 A Type HL LED driver shall comply with all applicable marking requirements of this standard.

SB4.2 An LED driver may be marked “Type HL” if it complies with the requirements of this supplement. The marking may be provided on the LED driver, the smallest shipping container, or on materials shipped with the LED driver.