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American National Standards

Call for comment on proposals listed

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. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: May 10, 2020

NSF (NSF International)

Revision

BSR/NSF 2-202x (i38r1), Food Equipment (revision of ANSI/NSF 2-2019)

Equipment covered by this Standard includes, but is not limited to, bakery, cafeteria, kitchen, and pantry units, and other food handling and processing equipment such as tables and components, counters, tableware, hoods, shelves, and sinks.

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

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

BSR/NSF/CAN 60-202x (i89r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

BSR/NSF/CAN 60-202x (i90r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

BSR/NSF/CAN 60-202x (i91r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-202x, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2018)

(1) Clarification for HB Test in Paragraph 7.7.1.2., Final Classification When Testing UL 94V or 5V.

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

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

BSR/UL 508A-202x, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020)

Recirculation of the following topics: (2) E-stop in standard panels; (4) Revise spacing requirements applicable to the receptacles, attachment plugs, and inlets; (6) Revised definition for low-voltage limited energy circuit.

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

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

BSR/UL 588-202x, Standard for Safety for Seasonal Holiday Decorative Products (revision of ANSI/UL 588-2018)

This proposal for UL 588 covers: (1) Proposed new requirements for CXTW-IS and CXTW-S; (2) Proposed miscellaneous revisions to UL 588; (3) Series-connected lighting string employing E12/E17 male screw-base termination.

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

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

BSR/UL 1059-202x, Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2019)

This proposal for UL 1059 covers: (1) Deletion of all references to the now withdrawn Standard for Power Conversion Equipment, UL 508C, and replace with the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1; (2) Special handling of delta-rated overcurrent protective devices.

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

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

BSR/UL 1081-202x, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017)

The following topics are being proposed: (1) Addition of reference to UL 61800-5-1 as a replacement to UL 508C and (2) Addition of reference to UL 62368 as an alternative to UL 60950-1.

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

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

BSR/UL 1951-202x, Standard for Safety for Electric Plumbing Accessories (revision of ANSI/UL 1951-2017a)

The following topics are being proposed: (1) Addition of reference to UL 61800-5-1 as a replacement to UL 508C and (2) Addition of reference to UL 62368 as an alternative to UL 60950-1.

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

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

Comment Deadline: May 25, 2020

AAMI (Association for the Advancement of Medical Instrumentation)

Addenda

BSR/AAMI/IEC 62366-1, Amendment 1-202x, Medical devices - Part 1: Application of usability engineering to medical devices - Amendment 1 (addenda to ANSI/AAMI/IEC 62366-1-2015)

Corrects identified inaccuracies in ANSI/AAMI/IEC 62366-1:2015 while making no fundamental changes to the usability engineering process as originally conceived in that document.

Single copy price: Free

Obtain an electronic copy from: jmoyer@aami.org

Send comments (with optional copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/IEC 60601-2-16-202x, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (identical national adoption of IEC 60601-2-16-2018 and revision of ANSI/AAMI/IEC 60601-2-16:2012)

Specifies the minimum safety requirements for haemodialysis equipment. These haemodialysis equipment are intended for use either by medical staff or for use by the patient or other trained personnel under medical supervision. Includes all ME equipment that is intended to deliver a haemodialysis, hemodiafiltration, and haemofiltration treatment to a patient, independent of the treatment duration and location. If applicable, applies to the relevant parts of ME equipment intended for other extracorporeal blood purification treatments.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

BSR/AAMI/IEC 60601-2-39-202x, Medical electrical equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (identical national adoption of IEC 60601-2-39:2018)

Applies to the basic safety and essential performance of peritoneal dialysis ME equipment. Applies to PD equipment intended for use either by medical staff or under the supervision of medical experts, including PD equipment operated by the patient, regardless of whether the PD equipment is used in a hospital or domestic environment.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.24-1-202x, Retail Financial Services Symmetric Key Management - Part 1: Using Symmetric Techniques (revision and redesignation of ANSI X9.24 Part 1-2017)

Address reference to specific sections in ISO 13491 that were reversed in most recently published version of that document. Minimally Controlled Environment and Controlled Environment sections have been swapped in the current version of the ISO document, and the reference to it in X9.24-1 is dated, so that it applies to this specific version. We plan to provide a corrigendum to remove the date from the reference, and edit the language to point to the appropriate section by title, as ISO WG13 is planning to move it back in the next version.

Single copy price: \$140.00

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

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

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 169-202x, Climatic Data for Building Design Standards (addenda to ANSI/ASHRAE Standard 169-2013)

This addendum adds a legend to Figure A-2 and new Table A-4.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

BSR/ASHRAE Addendum bv to ANSI/ASHRAE Standard 135-2019, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum adds new property Write_Every_Schedule_Action to the Schedule object, fixes XML namespace, and prevents Remote Traffic Duplication.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

BSR/ASHRAE Addendum ca to ANSI/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum introduces the Concept of Color for BACnet; adds new Color object type, new Color Temperature object type, color-reference properties to LO and BLO object types, and high/low trim to LO object type; and makes aggregated changes to Clauses 21 and 25.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

BSR/ASHRAE Addendum cc to ANSI/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum extends the Network Port Object Type for BACnet/SC.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

New Standard

BSR/ASHRAE Standard 23-202x, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Compressor Units (new standard)

ASHRAE Standard 23-202x prescribes methods for performance testing positive-displacement refrigerant compressors and compressor units, including capacity, isentropic efficiency, and volumetric efficiency. NOTE: The PINS notice was published under ASHRAE Standard 226, later changed to ASHRAE Standard 23.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASIS (ASIS International)

New Standard

BSR/ASIS SA-202X, Security Awareness (new standard)

The goal of the security awareness program is to promote organizational and individual actions that can be taken to reduce vulnerabilities to risks and threats and promote a culture of security. This Standard provides general principles, guidance, and examples to assist organizations in creating and maintaining an effective security awareness posture as part of an enterprise security risk management program.

Single copy price: \$25.00

Obtain an electronic copy from: standards@asisonline.org

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

AWS (American Welding Society)

Revision

BSR/AWS A5.28/A5.28M-202x, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.28/A5.28M-2005 (R2015))

This specification prescribes the requirements for classification of solid low-alloy steel electrodes and rods, composite stranded low-alloy steel electrodes and rods, and composite metal-cored low-alloy steel electrodes and rods for gas-shielded welding processes including gas-metal arc welding, gas-tungsten arc welding, and plasma arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite metal-cored electrodes and rods and the as-welded or postweld heat-treated mechanical properties of the weld metal for each. Additional requirements are included for manufacture, sizes, lengths and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.

Single copy price: \$36.00

Obtain an electronic copy from: gupta@aws.org

Order from: Not available due to Covid-19

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

AWS (American Welding Society)

Withdrawal

ANSI/AWS A5.36/A5.36M-2016, Specification for Carbon and Low-Alloy Steel Flux Cored Electrodes for Flux Cored Arc Welding and Metal Cored Electrodes for Gas Metal Arc Welding (withdrawal of ANSI/AWS A5.36/A5.36M-2016)

This specification prescribes the requirements for classification of carbon and low-alloy steel flux-cored electrodes for flux-cored arc welding and metal-cored electrodes for gas-metal arc welding. The requirements include chemical composition and mechanical properties of the weld metal and certain usability characteristics. Optional, supplemental designators are also included for diffusible hydrogen and to indicate conformance to special mechanical property requirements when the weld metal is deposited using low-heat input, fast cooling rate, and high-heat input, slow cooling rate procedures. Additional requirements are included or referenced for standard sizes, marking, manufacturing, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of carbon and low-alloy-steel flux-cored and metal-cored electrodes.

Single copy price: \$36.00

Obtain an electronic copy from: gupta@aws.org

Order from: Not available due to Covid-19

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

CRRC (Cool Roof Rating Council)

Revision

BSR/CRRC S100-202x, Standard Test Methods for Determining Radiative Properties of Materials (revision of ANSI/CRRC S100-2016)

This standard covers specimen preparation and test methods for determining the initial and aged radiative properties of roofing products.

Single copy price: Free

Obtain an electronic copy from: <https://coolroofs.org/product-rating/ansi-crrc-s100>

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

CSA (CSA America Standards Inc.)

New Standard

BSR/CSA NGV 4.7-202X, Automatically Pressure Operated Valves for Natural Gas Dispensing Systems (new standard)

These requirements apply to automatic valves used in compressed natural gas dispensing systems. Types of automatic valves included in this document are Pneumatically actuated - ball, needle/globe valves, check valves, excess flow valves, diaphragm valves, dome load valves, and emergency shutdown (ESD) valves. Types of automatic valves which are not included in this document are electrically actuated valves, hydraulically actuated valves, pressure relief valves, and pressure regulating valves. A valve that complies with the requirements for a Class A valve may be used for a Class B valve application; however, a Class B valve shall not be substituted for a Class A.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: david.zimmerman@csagroup.org

CSA (CSA America Standards Inc.)

Revision

BSR/CSA NGV 4.6-202x, Manually operated valves for natural gas dispensing systems (revision and redesignation of ANSI/IAS NGV 4.6/CSA 12.56 -1999 (R2019))

These requirements apply to manually operated valves for compressed natural gas. These requirements do not apply to cylinder shut-off valves. A valve that complies with the requirements for a Class A valve may be used for a Class B valve application; however, a Class B valve shall not be substituted for a Class A valve.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: david.zimmerman@csagroup.org

CTA (Consumer Technology Association)

Reaffirmation

BSR/CTA 709.3-1999 (R202x), Free-Topology Twisted-Pair Channel Specification (reaffirmation of ANSI/CTA 709.3-1999 (R2015))

This document specifies the CTA 709.3 free-topology twisted-pair channel and serves as a companion document to the CTA 709.1 Control Network Protocol Specification. The channel supports communication at 78.125 kbps between multiple nodes, each of which consists of a transceiver, a protocol processor and application processor, a power-supply and application electronics. Seeking Users of control networking systems.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

BSR/CTA 709.5-2015 (R202x), Control Networking Protocol Specification - Part 5: Implementation Application Layer Guidelines (reaffirmation of ANSI/CTA 709.5-2015)

This specification contains the information necessary to facilitate the exchange of data and control information in an interoperable fashion using ANSI/CTA 709.1 and its associated data-transport media specifications. It establishes a minimal set of rules for compliance and allows for extended services to be provided, given that the rules are adhered-to within the system. Seeking users of control networking systems.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

EASA (Electrical Apparatus Service Association)

Revision

BSR/EASA AR100-202x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2015)

This document describes record-keeping, tests, analysis, and general guidelines for the repair of induction, synchronous, and direct-current rotating electrical apparatus. It is not intended to take the place of the customer's or the machine manufacturer's specific instructions or specifications or specific accepted and applicable industry standards or recommended practices.

Single copy price: \$60.00 (Non-members)/\$20.00 (EASA members); online download free to anyone

Obtain an electronic copy from: easainfo@easa.com

Order from: EASA Membership Services

Send comments (with optional copy to psa@ansi.org) to: tbishop@easa.com

FM (FM Approvals)

New Standard

BSR/FM 4930-202x, Evaluating Fire, Wind and Seismic Performance of Water-Based Cooling Towers (new standard)

This test standard provides a procedure and performance requirements for water-based cooling towers and cooling tower components by evaluating the ability of these products to resist fire, wind, and seismic performance requirements.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmapprovals.com

Order from: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

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

HFES (Human Factors & Ergonomics Society)

New Standard

BSR/HFES 100-202x, Human Factors Engineering of Computer Workstations (new standard)

This standard covers operator-machine interface issues associated with computer workstations used regularly in offices (i.e., intentionally built indoor office workplaces) for text-, data-, and simple graphics-processing tasks. This standard applies to computer workstations for a wide range of users; in general, the physical dimensions and force requirements are designed to accommodate the North American population. Its three chapters cover input devices, computer displays, and the physical design of the workplace.

Single copy price: \$The draft is available without charge during the review period.

Obtain an electronic copy from: <https://www.hfes.org/resources/technical-standards/new-item>

Send comments (with optional copy to psa@ansi.org) to: hfes100@hfes.org

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

Revision

BSR/ASSE Series 7000-202x, Professional Qualifications Standard for Residential Potable Water Fire Protection System Installers & Inspectors for One- and Two-Family Dwellings (revision of ANSI/ASSE Series 7000-2013)

This standard applies to an individual who provides layout, detail, and calculations for residential potable-water fire-protection systems for one- and two-family dwellings and installs such systems. It also applies to an individual who inspects residential potable-water fire-protection systems for one- and two-family dwellings.

Single copy price: Free

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

Order from: Marianne Waickman, (708) 995-3015, marianne.waickman@asse-plumbing.org

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

ISA (International Society of Automation)

New Standard

BSR/ISA 62443-3-2-202x, Security for industrial automation and control systems - Part 32: Security risk assessment and system design (new standard)

This standard establishes requirements for defining a system under consideration for an industrial automation and control system; partitioning the system under consideration into zones and conduits; assessing risk for each zone and conduit; establishing the target security level for each zone and conduit; and documenting the security requirements.

Single copy price: \$150.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: N/A

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

ISEA (International Safety Equipment Association)

Reaffirmation

BSR/ISEA Z358.1-2014 (R202x), Emergency Eyewash and Shower Equipment (reaffirmation of ANSI/ISEA Z358.1-2014)

Standard establishes minimum performance and test requirements for emergency flushing fixtures used in the immediate treatment of persons who have been exposed to corrosive materials. Specific equipment includes: emergency showers, eyewashes, eye/face washes; combination units; and supplemental equipment.

Single copy price: \$60.00

Obtain an electronic copy from: cfargo@safetysafetyequipment.org

Order from: Cristine Fargo, (703) 525-1695, cfargo@safetysafetyequipment.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

BSR C136.46-202X, Concrete Lighting Poles (revision of ANSI C136.46-2013)

This standard applies to concrete lighting poles used in roadway and area lighting equipment and includes nomenclature, performance criteria, marking, and recordkeeping requirements, and certain minimal material needs. It does not cover concrete poles manufactured with any modified concrete mix incorporating the use of polymers or other modifiers.

Single copy price: \$66.00

Obtain an electronic copy from: David.Richmond@nema.org

Order from: David Richmond, (703) 841-3234, David.Richmond@nema.org

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 96-202x, Cable Telecommunications Testing Guidelines (revision of ANSI/SCTE 96-2013)

The test procedures that reference this document are intended to allow a competent technician or engineer to perform the tasks of determining, to a reasonable degree of certainty, the level of performance for the various parameters detailed. The procedures are general in nature and with sufficient forethought and preparation, can be adapted to individual devices, cascades or complete systems. The primary focus for these procedures is for bench or laboratory testing, but the principles discussed are equally applicable to field testing. When the suggestions made in this document conflict with the detailed steps of a specific procedure, the specific test procedure will take precedence.

Single copy price: \$50.00

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 213C-2015 (R202x), Standard for Grooved and Plain End Fittings (reaffirmation of ANSI/UL 213C-2015)

Reaffirmation and continuance of the first edition of the Standard for Grooved and Plain End Fittings, UL 213C, as an American National Standard.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 962-202x, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962-2019)

This proposal for UL 962 covers: (1) Proposed addition of requirements for furnishings with plumbing fixtures and rooms or booths with a ceiling; (2) Proposed addition of alternate control requirements for Area III, alternate Low-Voltage Locked Rotor Test, Clarification of safety control requirements, and clarification of partial loading for stability testing; (3) Proposed addition of new service area requirements; (4) Proposed addition of definitions for receptacles and revision to the overcurrent protection requirements; (5) Proposed revisions to allow the use of more than 2 power supply cords for commercial and institutional applications; (6) Proposed clarification of stability and compression testing requirements; (7) Proposed revisions to remove Technical Bulletin 133, Flammability Test Procedures for Seating Furniture for Use in Public Occupancies and Replace It with Technical Bulletin 117, Requirements, Test Procedure and Apparatus for Testing the Flame Resistance of Resilient Filling Materials Used in Upholstered Furniture; (8) Proposed revisions to specific loading test method requirements to include the weight of a bed foundation and/or mattress; (9) Proposed addition of marking requirements to specify marking for specific foundation and mattress combinations; (10) Proposed revision to Spill Test Procedure requirements to clarify that a furnishing receptacle may also be a USB receptacle; (11) Proposed revisions to remove references to commercial displays in UL 962; (12) Proposed revisions to Paragraph 6.1 to clarify the exception allowing for shipment of furnishings pre-wired with electrical connections made by connectors; and (13) Proposed revisions to Section 10.4, Electrical Enclosures of Polymeric Materials, to Clarify Requirements Applicable to Portable Equipment Used in Stationary and Fixed Furnishings.

Single copy price: Free

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

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

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

BSR/UL 1242-202x, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2018)

(2) Removal of chamfer angle and chamfer diameter requirement for couplings.

Single copy price: Free

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

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

BSR/UL 1963-202X, Standard for Refrigerant Recovery/Recycling Equipment (revision of ANSI/UL 1963-2013)

Revision to the requirements covering hose assembly requirements for flammability class 2 and 3 refrigerants.

Single copy price: Free

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

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

Comment Deadline: June 9, 2020

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

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

New National Adoption

INCITS/ISO 19116:2019 [202x], Geographic information - Positioning services (identical national adoption of ISO 19116:2019 and revision of INCITS/ISO 19116:2004 [R2015])

Specifies the data structure and content of an interface that permits communication between position-providing device(s) and position-using device(s) enabling the position-using device(s) to obtain and unambiguously interpret position information and determine, based on a measure of the degree of reliability, whether the resulting position information meets the requirements of the intended use. A standardized interface for positioning allows the integration of reliable position information obtained from non-specific positioning technologies and is useful in various location-focused information applications, such as surveying, navigation, intelligent transportation systems (ITS), and location-based services (LBS).

Single copy price: \$209.00

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

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

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

INCITS/ISO/IEC 2382-36:2019 [202x], Information technology - Vocabulary - Part 36: Learning, education and training (identical national adoption of ISO/IEC 2382-36:2019 and revision of INCITS/ISO/IEC 2382-36:2013 [2015])

This document provides terms and definitions for vocabulary used in the field of learning, education and training (LET) to facilitate international communication in the field. This document also identifies and provides the relationships among the vocabulary ensuring a cohesive and harmonized approach.

Single copy price: \$45.00

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

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

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

INCITS/ISO/IEC 7811-1:2018 [202x], Identification cards - Recording technique - Part 1: Embossing (identical national adoption of ISO/IEC 7811-1:2018 and revision of INCITS/ISO/IEC 7811-1:2014 [2015])

Specifies requirements for embossed characters on identification cards. The embossed characters are intended for transfer of data either by use of imprinters or by visual or machine reading. It takes into consideration both human and machine aspects and states minimum requirements. It is the purpose of this document to provide criteria to which cards shall perform. No consideration is given within this document to the amount of use, if any, experienced by the card prior to test. Failure to conform to specified criteria is negotiated between the involved parties. ISO/IEC 10373-1 specifies the test procedures used to check cards against the parameters specified in this document.

Single copy price: \$138.00

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

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

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

INCITS/ISO/IEC 7811-6:2018 [202x], Identification cards - Recording technique - Part 6: Magnetic stripe: High coercivity (identical national adoption of ISO/IEC 7811-6:2018 and revision of INCITS/ISO/IEC 7811-6:2014 [2015])

Defines the characteristics for identification cards as defined in Clause 3 of this document and the use of such cards for international interchange.

Single copy price: \$138.00

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

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

INCITS/ISO/IEC 9798-2:2019 [202x], IT Security techniques - Entity authentication - Part 2: Mechanisms using authenticated encryption (identical national adoption of ISO/IEC 9798-2:2019 and revision of INCITS/ISO/IEC 9798-2:2008 [R2015])

This document specifies entity authentication mechanisms using authenticated encryption algorithms. Four of the mechanisms provide entity authentication between two entities where no trusted third party is involved; two of these are mechanisms to unilaterally authenticate one entity to another, while the other two are mechanisms for mutual authentication of two entities. The remaining mechanisms require an on-line trusted third party for the establishment of a common secret key. They also realize mutual or unilateral entity authentication. Annex A defines Object Identifiers for the mechanisms specified in this document.

Single copy price: \$103.00

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

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

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

INCITS/ISO/IEC 11179-1:2015 [202x], Information technology - Metadata registries (MDR) - Part 1: Framework (identical national adoption of ISO/IEC 11179-1:2015 and revision of INCITS/ISO/IEC 11179-1:2004 [R2015])

Provides the means for understanding and associating the individual parts of ISO/IEC 11179 and is the foundation for a conceptual understanding of metadata and metadata registries. Is applicable to the formulation of data representations, concepts, meanings, and relationships to be shared among people and machines, independent of the organization that produces the data. It is not applicable to the physical representation of data as bits and bytes at the machine level. In this part of ISO/IEC 11179-1:2015 (and all other parts), metadata refers to descriptions of data. It does not contain a general treatment of metadata.

Single copy price: \$138.00

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

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

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

INCITS/ISO/IEC 11179-6:2015 [202x], Information technology - Metadata registries (MDR) - Part 6: Registration (identical national adoption of ISO/IEC 11179-6:2015 and revision of INCITS/ISO/IEC 11179-6:2005 [R2015])

Defines the type of information to be specified, the conditions to be met, and the procedure(s) to be followed for each metadata item to be registered in a metadata registry. The requirements and procedures contained in this standard apply to all metadata items specified in ISO/IEC 11179-3 and those specified in ISO/IEC 19763. Some Registration Authorities may want to use this part of ISO/IEC 11179 to register and manage locally defined metadata item types that are not defined in ISO/IEC 11179-3 or ISO/IEC 19763. Addresses the common metadata that is used to document the common facilities of a metadata registry: administration, identification, naming, and definition, details that can apply to any and all types of metadata items.

Single copy price: \$209.00

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

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

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

INCITS/ISO/IEC 14443-1:2018 [202x], Cards and security devices for personal identification - Contactless proximity objects - Part 1: Physical characteristics (identical national adoption of ISO/IEC 14443-1:2018 and revision of INCITS/ISO/IEC 14443-1:2008 [R2015])

Defines the physical characteristics of proximity cards (PICCs).

Single copy price: \$68.00

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

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

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

INCITS/ISO/IEC 15444-1:2019 [202x], Information technology - JPEG 2000 image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 15444-1:2019 and revision of INCITS/ISO/IEC 15444-1:2016 [2019])

Defines a set of lossless (bit-preserving) and lossy compression methods for coding bi-level, continuous-tone grey-scale, palletized color, or continuous-tone color digital still images.

Single copy price: \$232.00

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

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

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

INCITS/ISO/IEC 19778-1:2015 [202x], Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 1: Collaborative workplace data model (identical national adoption of ISO/IEC 19778-1:2015 and revision of INCITS/ISO/IEC 19778-1:2008 [R2015])

Specifies a table-based approach for defining Data Models. This Data Model specification is used for specifying the collaborative workplace Data Model. The same Data Model specification is also used in ISO/IEC 19778-2 and ISO/IEC 19778-3 to define the related components of the collaborative environment (ISO/IEC 19778-2) and the collaborative group (ISO/IEC 19778-3) in separate Data Models. The collaborative workplace Data Model specifies the Data Model Elements and their interrelationships that enable the creation of collaborative workplace Data Model instantiations. Any conforming collaborative workplace Data Model instantiation describes or specifies a particular collaborative workplace with which it is associated.

Single copy price: \$162.00

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

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

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

INCITS/ISO/IEC 19778-2:2015 [202x], Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 2: Collaborative environment data model (identical national adoption of ISO/IEC 19778-2:2015 and revision of INCITS/ISO/IEC 19778-2:2008 [R2015])

Specifies the Data Model for a collaborative environment.

Single copy price: \$138.00

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

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

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

INCITS/ISO/IEC 19778-3:2015 [202x], Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 3: Collaborative group data model (identical national adoption of ISO/IEC 19778-3:2015 and revision of INCITS/ISO/IEC 19778-3:2008 [R2015])

Specifies the Data Model for a collaborative group. The collaborative group Data Model composes roles which can be played by the participants of a collaborative group, declares the intended role holders (positions for playing a particular role) for each role, and (at least during the life-span of the collaborative workplace) assigns participants to these role holders. The role names may be used as references to roles specified in detail by further specifications or standards. Where no such specifications or standards are available or identified, the provision of descriptions for human interpretation may support harmonized use of these names.

Single copy price: \$103.00

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

INCITS/ISO/IEC 29794-1:2016 [202x], Information technology - Biometric sample quality - Part 1: Framework (identical national adoption of ISO/IEC 29794-1:2016 and revision of INCITS/ISO/IEC 29794-1:2009 [R2015])

For any or all biometric sample types as necessary, establishes the following: terms and definitions that are useful in the specification and use of quality metrics; purpose and interpretation of biometric quality scores; encoding of quality data fields in biometric data interchange formats; methods for developing biometric sample datasets for the purpose of quality score normalization; format for exchange of quality algorithm results; methods for aggregation of quality scores. The following are outside the scope of ISO/IEC 29794-1:2016: specification of minimum requirements for sample, module, or system quality scores; performance assessment of quality algorithms; standardization of quality algorithms.

Single copy price: \$138.00

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

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

INCITS/ISO/IEC TS 29112:2012 [2015], Information technology - Office equipment - Test pages and methods for measuring monochrome printer resolution (identical national adoption of ISO/IEC 29112:2018)

Defines methods for the objective measurement of the print quality characteristics that contribute to the perceived resolution of reflection mode monochrome printed pages produced by digital electro-photographic printers. The measurement methods of this document are derived from several existing techniques for the assessment of an imaging system's resolution characteristics. Each of these measurement methods is intended for the engineering evaluation of a printing system's perceived resolution and is not intended to be used for purposes of advertising claims. The methods of this document are applicable only to monochrome prints produced in reflection mode by electro-photographic printing technology.

Single copy price: \$232.00

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

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1598-202X, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2018b)

The following changes in requirements are being proposed: Dielectric Withstand Voltage; Addition of testing and safety requirements for permanently mounted, interconnected luminaires not using standard plug connection to branch-circuit voltage; Dielectric Voltage Withstand Test; Amend Section 12.2, Air-handling luminaires, to add UL 2043 as alternate test method for nonmetallic materials located in the air path or plenum and add a subsection for Other Spaces Used for Environmental Air (Plenums); Proposed requirements for LED luminaires using Class P LED Drivers, Accessible Edges; Add requirements for Luminaires having a light-emitting plasma light source; Use of detachable cord sets in luminaires; Alignment of risk of fire definition with UL 8750, 20.5 and Table 20.1.3; OEM website inclusion for wiring instructions and other L5 designated markings; Revised Annex G addressing LED luminaires with Edison screw lampholders; Alternate method for providing installation instructions; Recessed housings for non-fire-rated installations; Unenclosed Class 2 wiring in luminaires, Supplementary requirements for LED Luminaires using Class P LED drivers, SPT-3 flexible cords, weather-resistant (WR) receptacles used in damp or wet location luminaires; Designating Clause 12.1.5 as applicable only to the United States; Harmonize letter height in Tables 20.1.1, B.1, and C.1, Luminaires suitable for use in clothes closet storage spaces; Bonding conductor test for PWB traces; Clarifying Clause 5.7.1.3, Risk of Electric Shock during Relamping – HID Luminaires with Double-ended Lamps & Type IC-recessed luminaires intended for installation in contact with low-density and medium-density polyurethane-foam thermal insulation.

Single copy price: Free

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

Comment Deadline: May 10, 2020

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

INCITS/ISO/IEC TR 15944-6:2015 [2020], Information Technology - Business Operational View - Part 6: Technical Introduction to E-Business Modelling (revise technical report)

Discusses and describes the following three topics of eBusiness modeling: fundamentals of business transaction modeling that describe the conceptual aspects of eBusiness; principles of eBusiness modeling that specify the semantic aspect of business transactions and their components and relationships involved in the business transaction; classification scheme of Open-edi scenarios based on eBusiness modeling.

Single copy price: \$185.00

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

INCITS/ISO/IEC TR 15446:2017 [2020], Information Technology - Security Techniques - Guidance for the Production of Protection Profiles and Security Targets (revise technical report)

Provides guidance relating to the construction of Protection Profiles (PPs) and Security Targets (STs) that are intended to be compliant with the third edition of ISO/IEC 15408 (all parts). It is also applicable to PPs and STs compliant with Common Criteria Version 3.1 Revision 4[6], a technically identical standard published by the Common Criteria Management Board, a consortium of governmental organizations involved in IT security evaluation and certification.

Single copy price: \$60.00

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

INCITS/ISO/IEC TR 24722:2015 [2020], Information Technology - Biometrics - Multimodal and Other Multibiometric Fusion (revise technical report)

Contains descriptions of and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions. ISO/IEC TR 24722:2015 contains descriptions and explanations of high-level multibiometric concepts to aid in the explanation of multibiometric fusion approaches including multi-characteristic-type, multi-instance, multi-sensorial, multi-algorithmic, decision-level, and score-level logic.

Single copy price: \$138.00

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

INCITS/ISO/IEC TR 24741:2018 [2020], Information Technology - Biometrics - Overview and Application (revise technical report)

Describes the history of biometrics and what biometrics does, the various biometric technologies in general use today (for example, fingerprint recognition and face recognition) and the architecture of the systems and the system processes that allow automated recognition using those technologies. It also provides information about the application of biometrics in various business domains such as border management, law enforcement and driver licensing, the societal and jurisdiction considerations that are typically taken into account in biometric systems, and the international standards that underpin their use.

Single copy price: \$162.00

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

ISO/IEC TR 24722:2015 [2020], Information Technology - Biometrics - Multimodal and Other Multibiometric Fusion (revise technical report)

Contains descriptions of and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions. ISO/IEC TR 24722:2015 contains descriptions and explanations of high-level multibiometric concepts to aid in the explanation of multibiometric fusion approaches including multi-characteristic-type, multi-instance, multisensorial, multi-algorithmic, decision-level, and score-level logic.

Single copy price: \$138.00

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Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Cliff Bernier
Phone (703) 253-8263
E-mail: cbernier@aami.org
Office: 901 N. Glebe Road, Suite 300
 Arlington, VA 22203

BSR/AAMI/IEC 60601-2-16-202x, Medical electrical equipment
 - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (identical national adoption of IEC 60601-2-16-2018 and revision of ANSI/AAMI/IEC 60601-2-16:2012)

BSR/AAMI/IEC 60601-2-39-202x, Medical electrical equipment
 - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (identical national adoption of IEC 60601-2-39:2018)

Contact: Jennifer Moyer
Phone (703) 253-8274
E-mail: jmoyer@aami.org
Office: 901 N. Glebe Road, Suite 300
 Arlington, VA 22203

BSR/AAMI/IEC 62366-1, Amendment 1-202x, Medical devices - Part 1: Application of usability engineering to medical devices - Amendment 1 (addenda to ANSI/AAMI/IEC 62366-1-2015)

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe
Phone (571) 323-0294
E-mail: ldonohoe@ecianow.org
Office: 13873 Park Center Road
 Suite 315
 Herndon, VA 20171

BSR/EIA 364-75B-202x, Lightning Strike Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-75A-2009 (R2015))

BSR/EIA 364-80A-202x, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-80-2015)

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

Contact: Jennifer Santulli
Phone (732) 562-3874
E-mail: J.Santulli@ieee.org
Office: 445 Hoes Lane
 Piscataway, NJ 08854

BSR N42.32a-202x, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (addenda to ANSI N42.32-2016)

ISA (International Society of Automation)

Contact: Eliana Brazda
Phone (919) 990-9228
E-mail: ebrazda@isa.org
Office: 67 Alexander Drive
 Research Triangle Park, NC 27709

BSR/ISA 62443-3-2-202x, Security for industrial automation and control systems, Part 32: Security risk assessment and system design (new standard)

ISEA (International Safety Equipment Association)

Contact: Cristine Fargo
Phone (703) 525-1695
E-mail: cfargo@safetysafetyequipment.org
Office: 1901 North Moore Street
 Suite 808
 Arlington, VA 22209

BSR/ISEA Z358.1-2014 (R202x), Emergency Eyewash and Shower Equipment (reaffirmation of ANSI/ISEA Z358.1-2014)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Contact: David Richmond
Phone (703) 841-3234
E-mail: David.Richmond@nema.org
Office: 1300 North 17th Street
 Suite 900
 Rosslyn, VA 22209

BSR C136.46-202X, Concrete Lighting Poles (revision of ANSI C136.46-2013)

NSF (NSF International)

Contact: Allan Rose

Phone (734) 827-3817

E-mail: arose@nsf.org

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF 2-202x (i38r1), Food Equipment (revision of ANSI/NSF 2-2019)

Contact: Monica Leslie

Phone (734) 827-5643

E-mail: mleslie@nsf.org

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF/CAN 60-202x (i89r1), Drinking Water Treatment
Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

BSR/NSF/CAN 60-202x (i90r1), Drinking Water Treatment
Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

BSR/NSF/CAN 60-202x (i91r1), Drinking Water Treatment
Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

SDI (ASC A250) (Steel Door Institute)

Contact: Linda Hamill

Phone (440) 899-0010

E-mail: leh@wherryassoc.com

Office: 30200 Detroit Road
Westlake, OH 44145

BSR/SDI A250.14-202X (A156.115), Specifications for Steel
Door and Frame Preparation for Hardware (revision and
redesignation of ANSI/BHMA A156.115-2016)

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins

Phone (703) 907-7706

E-mail: standards@tiaonline.org

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

BSR/TIA 4950-B-202x, Requirements for Battery-Powered,
Portable Land Mobile Radio Applications in Class I, II, III,
Division I, Hazardous (Classified) Locations (revision and
redesignation of ANSI/TIA 4950-A-2014)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.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.

AGA (ASC Z223) (American Gas Association)

Revision

ANSI Z223.1/NFPA 54-2021, National Fuel Gas Code (revision of ANSI Z223.1/NFPA 54-2018): 4/2/2020

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

Addenda

ANSI/ASHRAE/ASHE Addendum 170h-2017, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013): 4/1/2020

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME HST-5-2020, Performance Standard for Air Chain Hoists (revision of ANSI/ASME HST-5-2014): 4/2/2020

ASTM (ASTM International)

Revision

ANSI/ASTM E108-2020, Test Methods for Fire Tests of Roof Coverings (revision of ANSI/ASTM E108-2017): 4/1/2020

ANSI/ASTM E2336-2020, Test Methods for Fire Resistive Grease Duct Enclosure Systems (revision of ANSI/ASTM E2336-2016): 4/1/2020

AWWA (American Water Works Association)

Revision

ANSI/AWWA C950-2020, Fiberglass Pressure Pipe (revision of ANSI/AWWA C950-2013): 4/3/2020

BHMA (Builders Hardware Manufacturers Association)

Revision

ANSI/BHMA A156.5-2020, Standard for Cylinders and Input Devices (revision of ANSI/BHMA A156.5-2014): 4/1/2020

ANSI/BHMA A156.30-2020, Standard for High Security Cylinders (revision of ANSI/BHMA A156.30-2014): 4/1/2020

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-55B-2020, Current Cycling Test Procedure for Electrical Contacts, Connectors, and Sockets (revision and redesignation of ANSI/EIA 364-55A-2008 (R2014)): 4/2/2020

ANSI/EIA 364-60B-2020, General Methods for Porosity Testing of Contact Finishes for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-60A-2008 (R2014)): 4/2/2020

ANSI/EIA 364-86B-2020, Polarizing/Coding Key Overstress Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-86A-2014): 4/2/2020

ESTA (Entertainment Services and Technology Association)

New Standard

ANSI/E1.66-2020, Safety Standard for Followspot Positions Erected for Short-Term Use in Entertainment Venues (new standard): 4/3/2020

Revision

ANSI/E1.23-2020, Entertainment Technology - Design, Execution, and Maintenance of Atmospheric Effects (revision of ANSI E1.23-2010 (R2015)): 4/1/2020

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

New National Adoption

INCITS/ISO/IEC 27701:2019 [2020], Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines (identical national adoption of ISO/IEC 27701:2019): 4/2/2020

MHI (Material Handling Industry)

New Standard

ANSI MH29.2-2020, Safety Requirements for Industrial Tilters (new standard): 4/3/2020

NEMA (ASC C81) (National Electrical Manufacturers Association)

Stabilized Maintenance

ANSI C81.64-2005 (S2020), Guidelines and General Information for Electric Lamp Bases, Lampholders and Gauges (stabilized maintenance of ANSI C81.64-2005 (R2014)): 4/3/2020

NEMA (ASC C82) (National Electrical Manufacturers Association)

Stabilized Maintenance

* ANSI C82.1-2004 (S2020), Standard for Lamp Ballast - Line Frequency Fluorescent Lamp Ballast (stabilized maintenance of ANSI C82.1-2004 (R2015)): 4/3/2020

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 4600-2020, Standard for Safety for the Evaluation of Autonomous Products (new standard): 4/1/2020

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.

ANS (American Nuclear Society)

Contact: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org
555 North Kensington Avenue, La Grange Park, IL 60526

Revision

BSR/ANS 18.1-202x, Radioactive Source Term for Normal Operation of Light Water Reactors (revision of ANSI/ANS 18.1-2016)

Stakeholders: Nuclear power plant owners/operators, nuclear vendors, nuclear regulatory and government agencies, NEI.

EPRI: Provides a common basis for projecting the expected releases of radioactivity from nuclear plants. Public: Aids in the public understanding of normal radioactive effluents from operating nuclear plants.

Project Need: There is a need for a set of typical radionuclide concentrations for estimating the radioactivity in the principal fluid streams of a light water reactor. The revision will correct minor errors in the 2016 version of the standard.

This standard provides a set of typical radionuclide concentrations for estimating the radioactivity in the principal fluid systems of light water reactors and for projecting the expected releases of radioactivity from nuclear plants. It is not intended that the values be used as the sole basis for design but be used in environmental reports and elsewhere where expected operating conditions over the life of the plant would be appropriate.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org
275 West Street, Suite 107, Annapolis, MD 21401

New Standard

BSR X9.125-202x, Cloud Management and Security (new standard)

Stakeholders: Financial institutions; IT managers; chief risk officers; chief information security officers; compliance officers; internal and external auditors; cloud service providers; infrastructure, platform, and application service providers; cloud service infrastructure providers.

Project Need: The goal of the Cloud Services Compliance Data Standard is to describe a common set of data needed for automating internal control and compliance testing of cloud service infrastructures. The data standard would be designed to support standard control frameworks, including ISO 2700x, COSO/COBIT, PCI DSS, and others.

Cloud computing has led the "bleeding edge" of IT for the past 3 years, and the financial industry has led all industries in the adoption of this new computing environment. As such, bankers need to understand these technologies, establish an approach for identifying key risks and controls, and create the requirements for automating compliance reporting against established control frameworks. The traditional control frameworks applied to cloud computing can be effective, but are complicated by the fact that the technologies and control responsibilities are outside of the entity being audited. A key to the success of cloud computing is the ability for end-users to demonstrate defensible compliance reporting against established control frameworks. To assist in automating compliance reporting, the data standards proposed in this NWI are needed to ensure interoperability between compliance systems at a Bank (e.g., SIEM platforms, Audit and GRC platforms, IT Management Systems) and cloud service provider IT management systems. The data standard would be designed to support standard control frameworks, including ISO 2700x, COSO/COBIT, PCI DSS, and others, used commonly in the marketplace today.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK72409-202x, New Test Methods for Measuring Impact Attenuation Characteristics of Helmets Under Induced Rotational Loading (new standard)

Stakeholders: Headgear and Helmets industry.

Project Need: The purpose of these test methods is to provide reliable and repeatable tests for the evaluation of various types of protective headgear when subjected to a rotational test. Use of these test methods in conjunction with the specific individual performance standards is intended to reduce the likelihood of serious injury and death resulting from impacts to the head sustained by individuals participating in sports, recreation, and other leisure activities in which protective headgear is worn.

These test methods cover laboratory equipment, procedures, and basic requirements pertinent to rotational testing of helmets. Deviations or additions, or both, to these test methods will be specified, as required, in individual ASTM performance standards.

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org
13873 Park Center Road, Suite 315, Herndon, VA 20171

Revision

BSR/EIA 364-75B-202x, Lightning Strike Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-75A -2009 (R2015))

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate the current American National Standard.

This standard establishes a test method to determine the capability of a connector pair to conduct the electrical current induced by a lightning strike.

BSR/EIA 364-80A-202x, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-80-2015)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate the current American National Standard.

This test procedure describes two methods to measure the shielding transfer impedance of mated cable connectors in the frequency range 10kHz to 100MHz, (method A), and a connector located between a bulkhead panel and a shielded cable from 30 MHz to 500 MHz, (method B).

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

Contact: Jennifer Santulli, (732) 562-3874, J.Santulli@ieee.org
445 Hoes Lane, Piscataway, NJ 08854

Addenda

BSR N42.32a-202x, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (addenda to ANSI N42.32-2016)

Stakeholders: Includes the USDHS, USDOE, USNRC, USDOD, USDOC, many equipment manufacturers.

Project Need: Amend the N42.32-2016 standard "over-range response for photon" section.

This standard describes minimum performance requirements and test methods for evaluating the performance of alarming personal radiation detectors (PRDs) for homeland security applications. This standard specifies general, radiological, environmental, electromagnetic, and mechanical requirements, and associated test methods for personal radiation detectors (PRDs). This standard does not apply to spectroscopic PRDs.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Contact: Chris Merther, (202) 296-9880, chris.merther@itsdf.org
1750 K Street NW, Suite 460, Washington, DC 20006

New Standard

BSR/ITSDF B56.15-202X, Safety Standard for Multi-Purpose Elevated Platform (MPEP) Industrial Trucks (new standard)

Stakeholders: Manufacturers and users of electrically powered Multi-Purpose Elevated Platform (MPEP) industrial trucks.

Project Need: Current standards for mobile elevating work platforms exclude powered industrial trucks while standards for powered industrial trucks do not contain requirements sufficiently tailored to the unique design, functioning, and areas of use of MPEPs.

This standard will provide manufacturer and user requirements for electrically powered Multi-Purpose Elevated Platform (MPEP) industrial trucks, which are used for material handling of small items and operator positioning for light maintenance tasks conducted indoors in finished spaces on smooth, flat surfaces. MPEPs are capable of operating in horizontal and vertical directions simultaneously with a vertically extendable mast, are designed for a single operator, and are not designed for self-loading or tiering.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

Revision

BSR/SCTE 170-202x, Preparing an MDU Amplifier Extender Specification (revision of ANSI/SCTE 170-2010)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

This document provides guidance for preparing an MDU Amplifier requirements specification, independent of manufacturer and type.

SDI (ASC A250) (Steel Door Institute)

Contact: Linda Hamill, (440) 899-0010, leh@wherryassoc.com
30200 Detroit Road, Westlake, OH 44145

Revision

BSR/SDI A250.14-202X (A156.115), Specifications for Steel Door and Frame Preparation for Hardware (revision and redesignation of ANSI/BHMA A156.115-2016)

Stakeholders: End-users of the Door and Hardware industries including contractors, distributors, building owners, etc.

Project Need: To transfer the responsibility and maintenance of this standard from the BHMA A256 Canvass to ASC A250 Committee and accordingly, keep the standard updated and relevant to the standards of the industry.

These Standards cover all significant dimensional attributes for mounting common hardware products in steel doors and frames. All dimensions shall be as shown on the accompanying drawings.

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org
1320 North Courthouse Road, Suite 200, Arlington, VA 22201

Revision

BSR/TIA 4950-B-202x, Requirements for Battery-Powered, Portable Land Mobile Radio Applications in Class I, II, III, Division I, Hazardous (Classified) Locations (revision and redesignation of ANSI/TIA 4950-A-2014)

Stakeholders: Private Land Mobile Radio manufacturers and users.

Project Need: Provide updates to the existing standard.

This revision will address: (1) editorial changes and (2) collection, review, and assessment of input from early adopters of the standard who have or are going through the certification process for the first time.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8274
Web: www.aami.org

AGA (ASC Z223)

American Gas Association
400 North Capitol Street, NW
Suite 450
Washington, DC 20001
Phone: (202) 824-7058
Web: www.aga.org

ANS

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

ASC X9

Accredited Standards Committee X9,
Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASHRAE

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

ASIS

ASIS International
1625 Prince Street
Alexandria, VA 22314-2818
Phone: (703) 518-1439
Web: www.asisonline.org

ASME

American Society of Mechanical
Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
Phone: (212) 591-8489
Web: www.asme.org

ASTM

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

AWS

American Welding Society
8669 NW 36th Street
130
Miami, FL 33166
Phone: (305) 443-9353
Web: www.aws.org

AWWA

American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

BHMA

Builders Hardware Manufacturers
Association
355 Lexington Avenue
15th Floor
New York, NY 10017-6603
Phone: (860) 944-4264
Web: www.buildershardware.com

CRRC

Cool Roof Rating Council
2435 N. Lombard Street
Portland, OR 97217
Phone: (503) 606-8448
Web: www.coolroofs.org

CSA

CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990
Web: www.csagroup.org

CTA

Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

EASA

Electrical Apparatus Service Association
1331 Baur Blvd.
St. Louis, MO 63132
Phone: (314) 993-2220

ECIA

Electronic Components Industry
Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

ESTA

Entertainment Services and Technology
Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

FM

FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062
Phone: (781) 255-4813
Web: www.fmglobal.com

HFES

Human Factors & Ergonomics Society
2025 M Street NW, Suite 800
Washington, DC 20036
Phone: (202) 367-1114
Web: www.hfes.org

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015
Web: www.asse-plumbing.org

IEEE (ASC C63)

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3874
Web: www.ieee.org

ISA (Organization)

International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Web: www.isa.org

ISEA

International Safety Equipment
Association
1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695
Web: www.safetysystem.com

ITI (INCITS)

InterNational Committee for
Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
Phone: (202) 737-8888
Web: www.incits.org

ITSDF

Industrial Truck Standards Development
Foundation, Inc.
1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880
Web: www.indtrk.org

MHI

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

NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NEMA (ASC C81)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3262
Web: www.nema.org

NEMA (ASC C82)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
Phone: (703) 841-3262
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Web: www.nsf.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Web: www.scte.org

SDI (ASC A250)

Steel Door Institute
30200 Detroit Road
Westlake, OH 44145
Phone: (440) 899-0010
Web: www.wherryassocsteeldoors.com

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Phone: (919) 549-0956
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 7301, Rice - Specification - 6/15/2020, \$77.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO/DIS 20184-3, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 3: Isolated DNA - 6/14/2020, \$67.00

DENTISTRY (TC 106)

ISO/DIS 18675, Dentistry - Machinable ceramic blanks - 6/18/2020, \$71.00

FINE CERAMICS (TC 206)

ISO/DIS 23946, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test methods for optical properties of ceramic phosphors for white light emitting diodes using a Gonio-spectrofluorometer - 6/26/2020, \$77.00

FOOTWEAR (TC 216)

ISO/DIS 16186, Footwear - Critical substances potentially present in footwear and footwear components - Determination of dimethyl fumarate (DMFU) in footwear materials - 6/12/2020, \$46.00

GAS CYLINDERS (TC 58)

ISO 18119/DAMd1, Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1 - 6/15/2020, \$29.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19126, Geographic information - Feature concept dictionaries and registers - 6/15/2020, \$102.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 10303-210, Industrial automation systems and integration - Product data representation and exchange - Part 210: Application protocol: Electronic assembly, interconnection, and packaging design - 11/12/2025, FREE

MACHINE TOOLS (TC 39)

ISO/DIS 3408-2, Ball screws - Part 2: Nominal diameters and nominal leads - Metric series - 6/12/2020, \$71.00

ISO/DIS 19085-2, Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines - 6/19/2020, \$112.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 6249, Petroleum products - Determination of thermal oxidation stability of gas turbine fuels - JFTOT method - 6/13/2020, \$107.00

PLAIN BEARINGS (TC 123)

ISO/DIS 16287, Plain bearings - Thermoplastic bushes - Dimensions and tolerances - 6/19/2020, \$53.00

PLASTICS (TC 61)

ISO/DIS 19935-3, Plastics - Temperature modulated DSC - Part 3: Separation of overlapping thermal transitions - 6/18/2020, \$46.00

ROAD VEHICLES (TC 22)

ISO/DIS 23150, Road vehicles - Data communication between sensors and data fusion unit for automated driving functions - Logical interface - 6/15/2020, \$194.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 3934, Rubber, vulcanized and thermoplastic - Preformed gaskets used in buildings - Classification, specifications for materials and test methods for gaskets - 11/13/2009, \$77.00

ISO/DIS 25518, Single-use rubber gloves for general applications - Specification - 6/18/2020, \$40.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 23152, Ultraviolet ballast water management systems - Computational physical modelling and calculations on scaling of ultraviolet reactors - 6/15/2020, \$67.00

SMALL CRAFT (TC 188)

ISO/DIS 10088, Small craft - Permanently installed fuel systems - 6/18/2020, \$71.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 25119-1/DAmD1, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development - Amendment 1: 1 - 6/14/2020, \$29.00

ISO 25119-3/DAmD1, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software - Amendment 1: 1 - 6/14/2020, \$29.00

ISO 25119-4/DAmD1, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes - Amendment 1: 1 - 6/14/2020, \$29.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 23959, Traditional Chinese Medicine - Glehnia littoralis root - 6/14/2020, \$62.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

ISO/DIS 22413, Transfer sets for pharmaceutical preparations - Requirements and test methods - 6/20/2020, \$62.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 22085-2, Intelligent transport systems (ITS) - Nomadic device service platform for micro mobility - Part 2: Functional requirements and dataset definitions - 6/14/2020, \$88.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 4000-1, Passenger car tyres and rims - Part 1: Tyres (metric series) - 6/15/2020, \$119.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 24735, Information technology - Office equipment - Method for measuring digital copying productivity - 6/12/2020, \$112.00

ISO/IEC DIS 29183, Information technology - Office equipment - Method for measuring digital copying productivity for a single one-sided original - 6/14/2020, \$98.00

ISO/IEC DIS 30137-4, Information technology - Use of biometrics in video surveillance systems - Part 4: Ground truth and video annotation procedure - 6/13/2020, \$77.00

IEC Standards

3D/342/FDIS, IEC 62656-8 ED1: Standardized product ontology register and transfer by data parcels - Part 8: Web service interface for data parcels, 2020/5/15

9/2592/CD, IEC 63190 ED1: Railway applications - Fixed installations - Electric traction - Copper and copper alloy messenger wires for overhead contact line systems, 2020/6/26

13/1805A/FDIS, IEC 62053-21 ED2: Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2), 020/5/8/

13/1806A/FDIS, IEC 62053-22 ED2: Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S), 020/5/8/

13/1807A/FDIS, IEC 62053-23 ED2: Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3), 020/5/8/

15/916/CD, IEC 60684-3-281 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 281: Heat-shrinkable, polyolefin sleeving, semiconductive, 2020/5/29

15/917/CD, IEC 60684-3-282 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving - Stress control, 2020/5/29

17A/1267/NP, PNW TS 17A-1267: Alternating current circuit-breakers intended for controlled switching, 2020/6/26

17A/1259(F)/CDV, IEC 62271-105 ED3: High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV, 2020/6/19

17A/1261/CDV, IEC 62271-103 ED2: High-voltage switchgear and controlgear - Part 103: Switches for rated voltages above 1 kV up to and including 52 kV, 2020/6/26

27/1128/FDIS, IEC 60779 ED3: Installations for electroheating and electromagnetic processing - Test methods for electrosag remelting furnaces, 2020/5/15

34/680A/CD, IEC 62386-150 ED1: Digital addressable lighting interface - Part 150: Auxiliary Power Supply, 020/5/1/

36/484/FDIS, IEC 60471 ED3: Clevis and tongue couplings of string insulator units - Dimensions, 2020/5/15

36/485/FDIS, IEC 60372 ED4: Locking devices for ball and socket couplings of string insulator units - Dimensions and tests, 2020/5/15

36/486/FDIS, IEC 60120 ED4: Ball and socket couplings of string insulator units - Dimensions, 2020/5/15

44/875/FDIS, IEC 61496-2 ED4: Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs), 2020/5/15

55/1849(F)/FDIS, IEC 60317-62 ED2: Specifications for particular types of winding wires - Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, 020/5/8/

55/1841(F)/FDIS, IEC 60317-12 ED4: Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120, 020/5/1/

55/1842(F)/FDIS, IEC 60317-17 ED4: Specifications for particular types of winding wires - Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105, 020/5/1/

55/1838(F)/FDIS, IEC 60317-27-1 ED1: Specifications for particular types of winding wires - Part 27-1: Paper tape covered round copper wire, 020/5/1/

55/1839(F)/FDIS, IEC 60317-27-2 ED1: Specifications for particular types of winding wires - Part 27-2: Paper tape covered round aluminium wire, 020/5/1/

55/1837(F)/FDIS, IEC 60317-27-4 ED1: Specifications for particular types of winding wires - Part 27-4: Paper tape covered rectangular aluminium wire, 020/5/1/

57/2210/FDIS, IEC 61970-301 ED7: Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base, 2020/5/15

57/2187/CDV, IEC 61850-7-420 ED2: Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes, 2020/6/26

59F/394/CD, IEC/ASTM 62885-6 ED2: Surface cleaning appliances - Part 6: Wet hard floor cleaning appliances for household or similar use - Methods for measuring the performance, 2020/6/26

59F/393/FDIS, IEC/ASTM 62885-7 ED1: Surface cleaning appliances - Part 7: Dry-cleaning robots for household or similar use - Methods for measuring the performance, 2020/5/15

65/799/FDIS, IEC 62443-3-2 ED1: Security for industrial automation and control systems - Part 3-2: Security risk assessment for system design, 2020/5/15

65C/1009/CD, IEC 62657-2 ED3: Industrial communication networks - Wireless communication networks - Part 2: Coexistence management, 2020/5/29

65E/711/FDIS, IEC 62541-12 ED1: OPC Unified Architecture - Part 12: Discovery and global services, 2020/5/15

65E/706/FDIS, IEC 62264-6 ED1: Enterprise-control system integration - Messaging service model, 2020/5/15

65E/707/FDIS, IEC 62541-7 ED3: OPC unified architecture - Part 7: Profiles, 2020/5/15

65E/709/FDIS, IEC 62541-9 ED3: OPC Unified Architecture - Part 9: Alarms and Conditions, 2020/5/15

65E/708/FDIS, IEC 62541-8 ED3: OPC Unified Architecture - Part 8: Data Access, 2020/5/15

65E/710/FDIS, IEC 62541-11 ED2: OPC Unified Architecture - Part 11: Historical Access, 2020/5/15

82/1718/FDIS, IEC 62109-3 ED1: Safety of power converters for use in photovoltaic power systems - Part 3: Particular requirements for electronic devices in combination with photovoltaic elements, 2020/5/15

82/1721/CD, IEC TS 63209 ED1: Extended-stress testing of photovoltaic modules for risk analysis, 2020/6/26

82/1719/FDIS, IEC 62790 ED2: Junction boxes for photovoltaic modules - Safety requirements and tests, 2020/5/15

82/1723/FDIS, IEC 62891 ED1: Maximum power point tracking efficiency of grid connected photovoltaic inverters, 2020/5/15

82/1722/NP, PNW 82-1722: Solar photovoltaic tracking systems - Part 1: Design qualification for horizontal one-axis solar tracking system, 2020/6/26

85/720/FDIS, IEC 61557-11 ED2: Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 11: Effectiveness of residual current monitors (RCM) in TT, TN and IT systems, 2020/5/15

86C/1661/DTR, IEC TR 62572-4 ED2: Fibre optic active components and devices - Reliability standards - Part 4: Guidelines for optical connector end-face cleaning methods for receptacle style optical transceivers, 2020/5/29

100/3392/CDV, IEC 61937-3/AMD1 ED3: Amendment 1 - Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats (TA 20), 2020/6/26

104/866/FDIS, IEC 60068-2-70 ED2: Environmental Testing - Part 2 -70: Tests - Test Xb: Abrasion of markings, lettering, surfaces and materials caused by rubbing of fingertips and hands, 2020/5/15

110/1197/CD, IEC TR 62977-1-31 ED1: Electronic displays - Part 1 -31: Generic - Practical information for use of light measuring devices, 2020/5/29

119/305/FDIS, IEC 62899-505 ED1: Printed electronics - Part 505: Quality assessment - Flexible gas sensor: Mechanical and thermal testing, 2020/5/15

SyCSmartCities/135/DTS, IEC TS 63235 ED1: Systems Reference Deliverable (SRD) - Smart City System - Methodology for concepts building, 2020/6/26

SyCSmartCities/136/CD, IEC 60050-831 ED1: International Electrotechnical Vocabulary (IEV) - Part 831: Smart city systems, 2020/6/26

SyCSmartCities/137/CD, IEC TS 63188 ED1: Systems Reference Deliverable - Smart Cities - Smart Cities Reference Architecture Methodology (SCRAM), 2020/6/26



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 24772-2:2020](#), Programming languages - Guidance to avoiding vulnerabilities in programming languages - Part 2: Ada, \$185.00

ADDITIVE MANUFACTURING (TC 261)

[ISO/ASTM 52915:2020](#), Specification for additive manufacturing file format (AMF) Version 1.2, \$162.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 7932/Amd1:2020](#), Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive *Bacillus cereus* - Colony-count technique at 30 degrees C - Amendment 1: Inclusion of optional tests, \$68.00

[ISO 660:2020](#), Animal and vegetable fats and oils - Determination of acid value and acidity, \$68.00

BUILDING ENVIRONMENT DESIGN (TC 205)

[ISO 16484-6:2020](#), Building automation and control systems (BACS) - Part 6: Data communication conformance testing, \$232.00

DENTISTRY (TC 106)

[ISO 22598:2020](#), Dentistry - Colour tabs for intraoral tooth colour determination, \$45.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 10360-5:2020](#), Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 5: Coordinate measuring machines (CMMs) using single and multiple stylus contacting probing systems using discrete point and/or scanning measuring mode, \$185.00

[ISO 16610-29:2020](#), Geometrical product specifications (GPS) - Filtration - Part 29: Linear profile filters: Wavelets, \$138.00

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

[ISO 19626-1:2020](#), Processes, data elements and documents in commerce, industry and administration - Trusted communication platforms for electronic documents - Part 1: Fundamentals, \$185.00

ELEVATING WORK PLATFORMS (TC 214)

[ISO 21455:2020](#), Mobile elevating work platforms - Operators controls - Actuation, displacement, location and method of operation, \$138.00

ENVIRONMENTAL MANAGEMENT (TC 207)

[ISO 14063:2020](#), Environmental management - Environmental communication - Guidelines and examples, \$162.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 6182-7:2020](#), Fire protection - Automatic sprinkler systems - Part 7: Requirements and test methods for early suppression fast response (ESFR) sprinklers, \$185.00

FASTENERS (TC 2)

[ISO 3506-1:2020](#), Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1: Bolts, screws and studs with specified grades and property classes, \$185.00

FINE CERAMICS (TC 206)

[ISO 21712:2020](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural bond strength of ceramics, \$68.00

FLOOR COVERINGS (TC 219)

[ISO 11638:2020](#), Resilient floor coverings - Heterogeneous poly(vinyl chloride) flooring on foam - Specification, \$68.00

MACHINE TOOLS (TC 39)

[ISO 17543-1:2020](#), Machine tools - Test conditions for universal spindle heads - Part 1: Accessory heads for machines with horizontal spindle (horizontal Z-axis), \$185.00

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

[ISO 11960:2020](#), Petroleum and natural gas industries - Steel pipes for use as casing or tubing for wells, \$232.00

MECHANICAL CONTRACEPTIVES (TC 157)

[ISO 25841/Amd1:2020](#), Female condoms - Requirements and test methods - Amendment 1, \$19.00

NUCLEAR ENERGY (TC 85)

[ISO/ASTM 52628:2020](#), Standard practice for dosimetry in radiation processing, \$103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 11553-1:2020](#), Safety of machinery - Laser processing machines - Part 1: Laser safety requirements, \$138.00

OTHER

[ISO 17131:2020](#), Leather - Identification of leather with microscopy, \$103.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 8222:2020](#), Petroleum measurement systems - Calibration - Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials), \$209.00

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

[ISO 8659:2020](#), Thermoplastics valves - Fatigue strength - Test method, \$45.00

PROSTHETICS AND ORTHOTICS (TC 168)

[ISO 8548-2:2020](#), Prosthetics and orthotics - Limb deficiencies - Part 2: Method of describing lower limb amputation stumps, \$138.00

RISK MANAGEMENT (TC 262)

[IWA 31:2020](#), \$103.00

ROAD VEHICLES (TC 22)

[ISO 19363:2020](#), Electrically propelled road vehicles - Magnetic field wireless power transfer - Safety and interoperability requirements, \$185.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 506:2020](#), Rubber latex, natural, concentrate - Determination of volatile fatty acid number, \$68.00

[ISO 289-2:2020](#), Rubber, unvulcanized - Determinations using a shearing-disc viscometer - Part 2: Determination of pre-vulcanization characteristics, \$68.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

[ISO 37160:2020](#), Smart community infrastructure - Electric power infrastructure - Measurement methods for the quality of thermal power infrastructure and requirements for plant operations and management, \$103.00

TEXTILES (TC 38)

[ISO 7211-6:2020](#), Textiles - Methods for analysis of woven fabrics construction - Part 6: Determination of the mass of warp and weft per unit area of fabric, \$45.00

TIMBER STRUCTURES (TC 165)

[ISO 22390:2020](#), Timber structures - Laminated veneer lumber - Structural properties, \$68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 16122-5:2020](#), Agricultural and forestry machines - Inspection of sprayers in use - Part 5: Aerial spray systems, \$68.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 20524-1:2020](#), Intelligent transport systems - Geographic Data Files (GDF) GDF5.1 - Part 1: Application independent map data shared between multiple sources, \$232.00

ISO Technical Reports**SAFETY OF TOYS (TC 181)**

[ISO/TR 8124-9:2020](#), Safety of toys - Part 9: Safety aspects related to mechanical and physical properties - Comparison of ISO 8124-1, EN 71-1 and ASTM F963, \$232.00

ISO Technical Specifications**FIRE SAFETY (TC 92)**

[ISO/TS 5660-5:2020](#), Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 5: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) under reduced oxygen atmospheres, \$138.00

NANOTECHNOLOGIES (TC 229)

[ISO/TS 11308:2020](#), Nanotechnologies - Characterization of carbon nanotube samples using thermogravimetric analysis, \$138.00

[ISO/TS 21237:2020](#), Nanotechnologies - Air filter media containing polymeric nanofibres - Specification of characteristics and measurement methods, \$68.00

SOLID BIOFUELS (TC 238)

[ISO/TS 20048-1:2020](#), Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers, \$138.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 19566-4:2020](#), Information technologies - JPEG systems - Part 4: Privacy and security, \$162.00

[ISO/IEC 14543-3-10:2020](#), Information technology - Home electronic systems (HES) architecture - Part 3-10: Wireless short-packet (WSP) protocol optimized for energy harvesting - Architecture and lower layer protocols, \$162.00

IEC Standards**CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)**

[IEC 61156-5 Ed. 3.0 en:2020](#), Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification, \$199.00

[IEC 61156-6 Ed. 4.0 en:2020](#), Multicore and symmetrical pair/quad cables for digital communications - Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Work area wiring - Sectional specification, \$199.00

[S+ IEC 61156-5 Ed. 3.0 en:2020 \(Redline version\)](#), Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification, \$259.00

[S+ IEC 61156-6 Ed. 4.0 en:2020 \(Redline version\)](#), Multicore and symmetrical pair/quad cables for digital communications - Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Work area wiring - Sectional specification, \$259.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

[IEC 61076-3-124 Ed. 1.0 b cor.1:2020](#), Corrigendum 1 - Connectors for electrical and electronic equipment - Product requirements - Part 3-124: Rectangular connectors - Detail specification for 10-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz, \$0.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

[IEC 62024-2 Ed. 2.0 b:2020](#), High frequency inductive components - Electrical characteristics and measuring methods - Part 2: Rated current of inductors for DC-to-DC converters, \$117.00

[S+ IEC 62024-2 Ed. 2.0 en:2020 \(Redline version\)](#), High frequency inductive components - Electrical characteristics and measuring methods - Part 2: Rated current of inductors for DC-to-DC converters, \$152.00

IEC Technical Reports

ELECTROACOUSTICS (TC 29)

[IEC/TR 63079 Amd.2 Ed. 1.0 en:2020](#), Amendment 2 - Code of practice for hearing-loop systems (HLS), \$12.00

[IEC/TR 63079 Ed. 1.2 en:2020](#), Code of practice for hearing-loop systems (HLS), \$528.00

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; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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 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 a 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.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 5/SC 1 – Steel Tubes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 5/SC 1, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 5/SC 1 operates in the area of Steel Tubes under the scope of ISO/TC 5:

Standardization in the field of steel tubes, cast iron pipes, flexible metallic tubes and metallic fittings, flanges, pipe supports, pipe threads and gauges, metallic and organic coatings and protections.

Excluded :

- steel for tubes (ISO / TC 17);
- aircraft pipes (ISO / TC 20);
- tubes and equipment (other than flanges) pipe threads and gauging within the field of work of the petroleum and natural gas industries (ISO / TC 67);
- connections for fluid power systems (ISO / TC 131).

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

ISO/TC 17/SC 19 – Technical Delivery Conditions for Steel Tubes for Pressure Purposes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17/SC 19, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17/SC 19 operate under the following scope:

Maintenance of existing ISO Standards and preparation of new ISO Standards for technical delivery conditions for steel tubes for pressure purposes, in liaison with ISO/TC 5 and ISO/TC 11. Excluded from this area of work are all other standards for tubes whatever their use and particularly the standards related to ISO/TC 67 and the standards on tubes for transportation of water, gas and sewage.

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

New Secretariats

ISO/TC 171/SC 2 – Document file formats, EDMS Systems and Authenticity of Information

Comment Deadline: April 27, 2020

The PDF Association, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 171/SC 2 secretariat to the PDF Association, Inc. The secretariat was previously held by the 3D PDF Consortium, which was recently acquired by the PDF Association, Inc., and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 171/SC 2 operates under the following scope:

- Logical aspects of storage and preservation (short and long term)
- File formats
- EDMS functionalities and architecture
- Evaluations and qualification of EDMS
- Workflow
- Authenticity of information

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

ISO Proposal for a New Field of ISO Technical Activity

Biodiversity

Comment Deadline: April 17, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Biodiversity, with the following scope statement:

Standardization in the field of Biodiversity to develop requirements, principles, framework, guidance and supporting tools in a holistic and global approach for all relevant organizations, to enhance their contribution to Sustainable Development.

Excluded: standardization of test and measurement methods for ecological quality of water, air, soil and marine environment.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, April 17, 2020.

Security Equipment for Financial Institutions and Commercial Organizations

Comment Deadline: April 17, 2020

BSI, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Security Equipment for Financial Institutions and Commercial Organizations, with the following scope statement:

Standardization in the field of safes, cash boxes, strong room doors and safe deposit locker cabinets, ventilation equipment for strong room used in banks, financial institutions and commercial organization etc.

The standards formulated by this technical committee deals with specification and test methods of physical security products used in banks, financial institutions, commercial organization and by jewellers.

Excluded are the fields covered by ISO/TC 68 (Financial services).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, April 17, 2020.

U.S. Technical Advisory Groups

Transfer of TAG Administrator

U.S. Technical Advisory Group to ISO/TC 8, Ships and Marine Technology (including the TC 8 subcommittee TAGs that currently report to the main TC TAG: SC 1, Maritime Safety; SC 2, Marine Environmental Protection; SC 3, Piping and Machinery; SC 4, Outfitting and Deck Machinery; SC 6, Navigation and Ship Operations; SC 7, Inland Navigation Vessels; SC 8, Ship Design; SC 11, Intermodal and Short Sea Shipping; and SC 12, Ships and Marine Technology – Large Yachts)

As no comments were received in response to the February 28, 2020 Standards Action announcement of the transfer of TAG Administrator responsibilities from ASTM to the U.S. Coast Guard for the U.S. Technical Advisory Group to ISO/TC 8, Ships and marine technology (including the TC 8 subcommittee TAGs that currently report to the main TC TAG: SC 1, Maritime safety; SC 2, Marine environmental protection; SC 3, Piping and machinery; SC 4, Outfitting and deck machinery; SC 6, Navigation and ship operations; SC 7, Inland navigation vessels; SC 8, Ship design; SC 11, Intermodal and short sea shipping; and SC 12, Ships and marine technology – Large yachts), this transfer action is approved, effective March 31, 2020. For additional information, please contact: Mr. Timothy M. Brown, Chief, Office of Standards Evaluation and Development (CG-REG), U.S. Coast Guard Headquarters, 2703 Martin Luther King Ave., SE Stop 7418, Washington, DC 20593-7418; phone: 202.372.2358; e-mail: Timothy.M.Brown@uscg.mil.

Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:

AAMI/ISO 8637-1, *Extracorporeal systems for blood purification series, Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators*. Specifies requirements for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators, for use in humans. Seeking industry/general interest/regulator members. To apply or obtain additional information, please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-2, *Extracorporeal systems for blood purification, Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters*. Specifies requirements for the blood circuit for devices used in extracorporeal blood filtration therapies such as, but not limited to, haemodialysis, haemodiafiltration, haemofiltration and transducer protectors (integral and non-integral) intended for use in such circuits. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-3, *Extracorporeal systems for blood purification, Part 3: Plasmafilters*. Specifies requirements and acceptance criteria (including test methods) for safety related parameters for plasmafilters. Specifies requirements for sterile, single-use plasmafilters, intended for use on humans. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.



American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More...

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:

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

If you have a question about the ANS process and cannot find the answer quickly, please send an email to 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/>

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Revision to NSF/ANSI 2-2019
Issue 38 Revision 1 (March 2020)

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

NSF/ANSI Standard for Food Equipment

Food Equipment

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6 Performance

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6.2 Wood cutting boards and bakers tables

6.2.1 Shear test

6.2.1.1 Performance requirement

Wood test samples shall be of sufficient strength to resist shearing.

6.2.1.2 Test method

Three 2.0 × 2.0 × 1.0 in (50 × 50 × 25 mm) wood test samples shall be stored in a controlled environment of 73 ± 3 °F (23 ± 2 °C) and a relative humidity 50% ± 5% for a minimum of 24 h. The sample shall be notched according to Figure 22 to facilitate shearing. After conditioning, each wood test sample shall be placed in a load frame, as shown in Figure 23, with a **load cell capable of at least 5000 lb (22.2 kN)** ~~load cell~~. The shearing shall be performed against a 2.0 × 1.0 in (50 × 25 mm) side of the sample, opposite the notch, along a glue joint in a direction parallel to the direction of the wood grain. The speed of the load frame shall be ¼ in/min (0.25 in/min, 6.4 mm/min). After shearing each test sample, the shear strength shall be calculated using the following formula:

$$\text{Shear strength PSI (MPa)} = \frac{\text{force required for shear N} \times 10^6 \text{ (lbf)}}{\text{area of shear plane, in}^2 \text{ (mm}^2\text{)}}$$

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6.2.1.3 Acceptance criteria

The minimum shear strength of each specimen shall be 1800 psi (12.4 MPa).

6.2.2 Hardness test

6.2.2.1 Performance requirement

Wood test samples shall be of sufficient hardness to resist indentation or penetration.

6.2.2.2 Test method

Three 2.0 × 2.0 × 1.0 in (50 × 50 × 25 mm) wood test samples shall be stored in a controlled environment of 73 ± 3 °F (23 ± 2 °C) and a relative humidity 50% ± 5% for a minimum of 24 h. After conditioning, each wood test sample shall be placed in a load frame with an 11 mm diameter steel ball on top of the sample. A load cell capable of at least 1500 lb (6.7 kN) ~~load cell~~ shall be used to apply force to the steel ball and sample at a rate of 1/4 in/min (0.25 in/min, 6.4 mm/min) until 1200 lb (5.3 kN) is obtained. The applied force shall then be repeated for each test sample in each of the following locations:

- two points on a tangential surface;
- two points on a radial surface; and
- both ends on each sample.

6.2.2.3 Acceptance criteria

The depth of penetration at each site shall not exceed half the diameter of the steel ball at 1200 lb (5.3 kN) of force.

Rationale: A 1500lb load cell is not available. The standard requirement is based on the amount of force that used. So, for example, a 5000lb load cell can be used for both the sheer and the hardness test – the load cell would be set up to apply 1200lb for the hardness test and up to 5000lb for the sheer test.

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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6 Disinfection and oxidation chemicals

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6.8 Evaluation of contaminant concentrations

The normalized concentration of each contaminant shall be no greater than the SPAC determined in accordance with the requirements of NSF/ANSI/CAN 600 (previously Annex A).

The following table is a generic listing of the types of products covered in this section of the standard. This table is not intended to be a complete list of all products used for disinfection and oxidation applications. Inclusion of a product does not indicate either a use endorsement of the product or an automatic acceptance under the provisions of this Standard. Annex I-3 includes a cross-reference index of the various chemicals (and the more common synonyms) contained in this table.

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Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
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chlorine ¹⁰ (disinfection & oxidation)	chlorine gas	Cl ₂ (7782-50-5)	71.0	Method E, Annex N-1, Section N-1.3.6	10 ⁶	VOCs
chlorine dioxide (disinfection & oxidation)	—	ClO ₂ (10049-04-4)	67.45	Method A, Annex N-1, Section N-1.3.2	1.4	metals ³ , VOCs
hydrogen peroxide (disinfection & oxidation)	—	H ₂ O ₂ (7722-84-1)	34.0	Method A, Annex N-1, Section N-1.3.2	23 ⁷	metals ³ , VOCs
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Rationale: Added chlorine dioxide to Table 6.2 per 2019 DWA-TC JC meeting discussion (Dec. 4, 2019).

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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6 Disinfection and oxidation chemicals

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6.8 Evaluation of contaminant concentrations

The normalized concentration of each contaminant shall be no greater than the SPAC determined in accordance with the requirements of NSF/ANSI/CAN 600 (previously Annex A).

The following table is a generic listing of the types of products covered in this section of the standard. This table is not intended to be a complete list of all products used for disinfection and oxidation applications. Inclusion of a product does not indicate either a use endorsement of the product or an automatic acceptance under the provisions of this Standard. Annex I-3 includes a cross-reference index of the various chemicals (and the more common synonyms) contained in this table.

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Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
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ammonium sulfate (disinfection & oxidation)	dry ammonia	(NH ₄) ₂ SO ₄ (7783-20-2)	132.0	Method A, Annex N-1, Section N-1.3.2	25	metals ³
bromochlorodimethylhydantoin (disinfection & oxidation)	BCDMH	C ₅ H ₆ BrClN ₂ O ₂ (16079-88-2 & 126-06-7)	241.5	Method A, Annex N-1, Section N-1.3.2	9 ¹³	VOCs
calcium hypochlorite ⁴ (disinfection & oxidation)	—	Ca(OCl) ₂ (7778-54-3)	143.1	Method A; Annex N-1, Section N-1.3.2	10 ⁵	metals ³ , VOCs, bromate, chlorate, perchlorate
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¹² When all certified ingredients are used, testing for this chemical may be alternated every other year.						
¹³ Based on mg of dry chemical and a bromochlorodimethylhydantoin SPAC of 9 mg/L.						

Rationale: Added BCDMH to Table 6.2 per 2019 DWA-TC JC meeting discussion (Dec. 4, 2019).

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NSF/ANSI/CAN Standard for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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7 Miscellaneous treatment applications

7.1 Coverage

This section covers those chemicals, chemical compounds, blends, and mixtures intended for use in a variety of drinking water applications. These uses include fluoridation, defluoridation, algae control, dechlorination, antioxidants, dyes, **biological substrate**, and tracers. These products are generally applied directly to the water supply. Residuals of chemicals used for fluoridation, algae control, dyes, and tracers are likely to persist in the finished drinking water. Chemicals used for dechlorination, defluoridation, and antioxidant, **and biological substrate** are intended to be consumed by reaction, and residuals of these products are not likely to be found in the finished drinking water.

7.2 Definitions

7.2.1 algicide: A product added to the water in order to control or eliminate the growth of algae.

7.2.2 antioxidant: A product added to the water to retard or prevent the oxidation of other constituents in the water.

7.2.3 biological substrate: a product added to the water treatment process to serve as an electron donor for reduction reactions in biological treatment systems.

7.2.34 dechlorination: The process of removing or reducing the amount of chlorine in the drinking water.

7.2.45 defluoridation: The process of removing or reducing the amount of fluoride in the drinking water.

7.2.56 dyes / tracers: Products that are visually or analytically detectable, and are added to the water for the purpose of modeling water flow or for the detection of leaks and cross-connections, etc.

7.2.67 fluoridation: The process of adding fluoride to drinking water at a beneficial concentration as a means of reducing the incidence of dental caries in the population consuming the water.

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The following table is a generic listing of the types of products covered in this section of the standard. This table is not intended to be a complete list of all products used for miscellaneous treatment applications. Inclusion of a product does not indicate either a use endorsement of the product or an automatic acceptance under the provisions of this Standard. Annex I-3, Table I-3.1, includes a cross-reference index of the various chemicals (and the more common synonyms) contained in this table.

Table 7.1
Miscellaneous treatment application products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L) ¹	Minimum test batteries of chemistry-specific analyses ²
acetic acid (biological substrate)	vinegar	C ₂ H ₄ O ₂ (64-19-7)	60.0	Method A, Annex N-1, Section N-1.3.2	200	acetone, metals ⁴
ammonium hexafluorosilicate (fluoridation)	ammonium silico- fluoride, ammonium fluosilicate	(NH ₄) ₂ SiF ₆ (16919-19-0)	178.14	Method B, Annex N-1, Section N-1.3.3	1.0 ³	metals ⁴ , radionuclides
calcium fluoride (fluoridation)	fluorspar, fluorite	CaF ₂ (7789-75-5)	78.08	Method B, Annex N-1, Section N-1.3.3	1.0 ³	metals ⁴ , radionuclides
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Rationale: Added acetic acid to Table 7.2 per 2019 DWA-TC JC meeting discussion (Dec. 4, 2019).

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

1. Clarification for HB Test in Paragraph 7.7.1

7.7.1 The following are to be recorded for each specimen:

- a) Whether or not the flame front passed the 25 mm and 100 mm marks.
- b) If the flame front passed the 25 mm mark but ceased before the 100 mm mark, the damaged length, L and elapsed time, t.
- c) If the flame front passed the 100 mm mark, the elapsed time t between the 25 mm and 100 mm marks.
- d) The calculated linear burning rate only in case where the flame front passed the 100 mm mark.

2. Final Classification When Testing UL 94V or 5V

8.1.1 Materials shall be classified V-0, V-1, or V-2 on the basis of results obtained on small bar specimens when tested as described in 8.2.1 - 8.5.6. The final classification shall be the ~~worst~~ lower classification from both conditions as described in 8.4.

9.1.1 Material shall be classified 5VA or 5VB on the basis of test results obtained on small bar and plaque specimens when tested as described in 9.2.1 - 9.6.5. The final classification shall be the ~~worst~~ lower classification from both conditions as described in 9.4.

Exception: For materials that are submitted for a 5VB rating only (i.e., the manufacturer does not seek the 5VA rating), plaque specimens do not need to be tested.

11.1.2 Materials shall be classified VTM-0, VTM-1, VTM-2 on the basis of results obtained on wrapped cylindrical specimens when tested as described in 11.2.1 – 11.5.6. The final classification shall be the lower classification from both conditions as described in 11.4.

12.1.3 Materials shall be classed HBF, HF-1, or HF-2, on the basis of test results obtained on small specimens when tested as described in 12.2.1 – 12.6.2. The final classification shall be the lower classification from both conditions as described in 12.4.

UL 508A, Standard for Safety for Industrial Control Panels

2. E-Stop in Standard Panels

45.1.1

f) A emergency stop ~~button~~ device, consisting of an actuator (providing mechanically held latching means) and contact block(s), and an emergency stop unit (that receives inputs from multiple emergency stop devices) shall comply with the requirements in the Standard for Low-voltage Switchgear and Controlgear - Part 5-5: Control Circuit Devices and Switching Elements - Electrical Emergency Stop Device with Mechanical Latching Function, UL 60947-5-5.

4. Revise Spacing Requirements Applicable to the Receptacles, Attachment Plugs, and Inlets

28.2.5 Single and multipole connectors, intended for factory assembly to copper or copper alloy conductors or printed wiring boards shall:

- a) Comply with the requirements in the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications, UL 1977; and
- b) Comply with the spacing requirements of 10.9.
- e) ~~Comply with Table 1 in the Specific Requirements for Components used in Industrial Control Panels at www.ul.com/UL508A-SupplementSA, indicating the applicable connector requirements (DSR, SCCR, Electrical and Environmental Ratings) within each of the following types of circuits:~~
 - ~~—— 1) Feeder Circuit;~~
 - ~~—— 2) Branch Circuit;~~
 - ~~—— 3) Control Circuit; or~~
 - ~~—— 4) Low Voltage Limited Energy Circuit (43).~~

6. Revised Definition for Low-Voltage Limited Energy Circuit

2.33 LOW-VOLTAGE LIMITED ENERGY CIRCUIT – A control circuit involving a peak open-circuit potential of not more than ~~30 volts ac rms, 42.4 volts, (dc or peak)~~ or 60Vdc supplied by a primary battery or by an isolated secondary circuit, and where the current capacity is limited by an overcurrent device, such as a fuse, or by the inherent capacity of the secondary transformer or power supply, or a combination of a secondary winding and an impedance. A circuit derived from a line-voltage circuit by connecting a resistance in series with the supply circuit to limit the voltage and current is not identified as a low-voltage limited energy circuit.

BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

1. Proposed new requirements for CXTW-IS and CXTW-S

43.14.1 For attachment plug and load fitting terminals that are connected to CXTW-S ~~and~~ or CXTW-IS conductors, the temperature test shall be performed with all non-conductive threads captured by any terminals including solder-less, crimp, insulation piercing, screw terminal, or any other type. Any non-conductive threads shall not be cut during the insulation stripping process unless they are located integral with the conductor insulation and cannot be separated.

2. Proposed miscellaneous revisions to UL 588

SD6.11 String lights are permitted to employ nonstandard connectors provided the fittings meet the applicable requirements of the Standard for Attachment Plugs and Receptacles, UL 498, or the Standard for Cord Sets and Power-Supply Cords, UL 817, and be suitable for making and breaking under load with respect to the Overload, Temperature, and Resistance to Arcing tests described in UL 498.

In addition:

a) A minimum of 2 pins shall be provided.

b) The pins shall be recessed such that the male and female connectors are mechanically secured prior to any electrical connection.

c) The connectors shall be subjected to the Rain Test, Section 89, in any position where the pins initially make an electrical connection.

d) The connector shall be keyed so that the wires are connected to the correct circuit.

7. Series-Connected lighting string employing E12/E17 male screw-base termination

13.3 Wiring devices

13.3.1 In addition to the applicable requirements in this standard, an attachment plug, cord connector, current tap, power inlet, or other wiring device employed in a seasonal lighting product shall comply with the applicable requirements in the Standard for Attachment Plugs and Receptacles, UL 498, or the Standard for Cord Sets and Power-Supply Cords, UL 817.

Exception No. 1: Series-connected lighting strings or decorative outfits consisting of a series-connected lighting string with decorative covers, with a non-polarized fitting employing an integral controller and a nonstandard multi-pin connector shall comply with the following:

- a) A minimum of 2 pins shall be provided.
- b) The applicable requirements of the Standard for Attachment Plugs and Receptacles, UL 498, or the Standard for Cord Sets and Power Supply Cords, UL 817, and be suitable for making and breaking under load with respect to the Overload, Temperature, and Resistance to Arcing tests described in the Standard for Attachment Plugs and Receptacles, UL 498.
- c) The pins shall be recessed such that the male and female connectors are mechanically secured prior to any electrical connection.
- d) The connectors shall be subjected to the Rain Test, Section 89, in any position where the pins initially make an electrical connection.
- e) The connector shall be keyed so that the wires are connected to the correct circuit.
- f) The nonstandard multi-pin connector shall not be between the attachment plug and a controller, nor between the attachment plug and the first lampholder.

Exception No. 2: For seasonal products employing a Universal Serial Bus (USB) connector, the USB connector shall comply with the applicable requirements described in the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications, UL 1977. Seasonal products employing a USB connector shall be considered as being employed in a Class 2 circuit where the available power does not exceed 15 Watts and comply with the applicable requirements.

Exception No. 3: Series-connected LED lighting strings provided with a candelabra-base (E12) or intermediate-base (E17) male screw base shall comply the applicable requirements described in Enclosures, Section 10, the applicable requirements for male screw bases described in Supplement SA, and with the following:

- a) A hanging means shall be provided and secured near the first lampholder.
- b) The maximum weight of the lighting string shall not exceed 7.4 lb when provided with an E12 male screw-base and 10.5 lb when provided with an E17 male screw-base.
- c) The maximum total wattage of the lighting string shall not exceed 7 Watts.
- d) A cord connector or other female fitting shall not be provided.
- e) ~~For lighting strings employing 22 AWG, the 3 Amp overcurrent protection shall be provided in the male screw base.~~ Overcurrent protection shall be provided in the male screw base for the following wire gauges used in the light string:
 - 1) 3 Amp overcurrent protection for 22 AWG
 - 2) 5 Amp overcurrent protection for 20 AWG

BSR/UL 1059, Standard for Safety for Terminal Blocks

1. Deletion of all references to the now withdrawn Standard for Power Conversion Equipment, UL 508C, and replace with the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1.

PROPOSAL

8.6 The spacing provisions in item F of Table 8.1 are applicable to a terminal block for use only in or with industrial control equipment where an alternative spacing evaluation is conducted in accordance with Section 39 of the Standard for Industrial Control Equipment, UL 508, and 36.9 of the Standard for Power Conversion Equipment, UL 508C Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1. Through-air and over-surface spacings are determined using the requirements in these Sections of UL 508 and 508C-UL 61800-5-1, and are specified for each terminal block. See 8.7.

2. Special Handling of Delta-Rated Overcurrent Protective Devices

PROPOSAL

SA2.3.2A Special Handling of Delta-Rated Overcurrent Protective Devices

SA2.3.2A.1 Some multi-pole overcurrent protective devices (OPDs), such as manual motor protectors, self-protected starters and circuit breakers, have a delta voltage rating, e.g. 480Vac or 600Vac, but no rating for single phase applications. These devices are not intended to interrupt phase-to-phase voltages across a single pole. As a result, it is not possible to provide overcurrent protection during SCCR testing in the single-phase circuit. For these types of overcurrent protective devices, a three-phase SCCR test with a set of three single-pole terminals, or a three-pole terminal block, shall be conducted. A SCCR test for a three-phase application, performed with a three-pole OCPD, also covers a four-pole application, e.g. three phases plus neutral.

SA2.3.2A.2 The terminal block shall be tested with 3 adjacent poles, or a three-pole terminal block, connected to a three-phase supply.

SA2.3.2A.3 Terminal blocks are to be subjected to a single operation of closing the test circuit on the terminal block by means of any appropriate switching device using random closing.

BSR/UL 1081, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators

1. Addition of reference to UL 61800-5-1 as a replacement to UL 508C

27.2.3.3 The motor overload protection required by 27.2.3.2 shall consist of the following:

- a) Three properly rated overload units or
- b) Thermal protectors, combinations of thermal protectors and overload units, or other methods of protection may be acceptable if the specific protective arrangement used has been investigated and found to provide protection under primary single-phase breakdown conditions when supplied from transformers connected wye-delta or delta-wye. An assembly so investigated shall be marked to indicate that the motor is protected under primary single-phasing conditions. This marking may be a paper sticker or decal, or may be on an attached wiring diagram.
- c) Electronic overcurrent protection complying with 27.2.3.4 as part of a motor-drive complying with the Standard for Power Conversion Equipment, UL 508C Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1.

29.11 Electronic motor drives, if provided, shall be suitable for the pump voltage and current rating and shall comply with one of the following:

- a) The Standard for Power Conversion Equipment, UL 508C Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1; or
- b) The Standard for Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements, UL 60730-1; or
- c) The circuit requirements in Supplement SA.

2. Addition of reference to UL 62368 as an alternative to UL 60950-1

68.5 A power supply circuit complying with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety

Requirements, UL 62368-1, and the following specifications is considered to meet the isolation requirements specified in 68.1.

- a) The power supply has an Output Category (OC) rating of SELV.
- b) The unit was evaluated for use in Pollution Degree 3 environments.

Exception: Power units with additional means to create a micro environment suitable for that of the power supply.

- c) The unit is suitable for Overvoltage Category III installations.

Exception: Supplies suitable for Overvoltage Category II environments with supply side transient voltage surge suppression that complies with the Standard for Surge Protective Devices, UL 1449, 6 kV impulse and limiting the transient voltages to the power supply to 2500 volts maximum for 240 volt rated units and 1500 maximum for 120 volt units.

- d) The unit has an ambient temperature rating appropriate for the installation. The ambient temperature in an outer enclosure shall be considered a 40°C (104°F) environment.

BSR/UL 1951, Standard for Safety for Electric Plumbing Accessories

1. Addition of reference to UL 61800-5-1 as a replacement to UL 508C

5.5.4.1 A control used to start, stop, regulate or control the speed of a motor shall comply with one of the following:

- a) The Standard for Solid-State Controls for Appliances, UL 244A;
- b) The Standard for Temperature-Indicating and -Regulating Equipment, UL 873;
- c) The Standard for Industrial Control Equipment, UL 508;
- d) The Standard for Power Conversion Equipment, UL 508C Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1;
- a e) The Standard for Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements, UL 60730-1.

5.5.4.2 A motor speed control evaluated to the Standard for Power Conversion Equipment, UL 508C Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1 shall not be utilized to provide motor overload protection specified in 19.2 – 19.3 unless the electronic protection features have additionally been determined to comply with Standard for Electronically Protected Motors, UL 1004-7.

2. Addition of reference to UL 62368 as an alternative to UL 60950-1

5.3.4 A Class 2 battery charger shall comply with one of the following:

- a) The Standard for Class 2 Power Units, UL 1310;
- b) The Standard for Information Technology Equipment, Part 1: General Requirements, UL 60950-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS"; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, marked "Class 2" that complies with the limited power source (LPS) requirements and is marked "LPS".

5.3.5 A non-Class 2 battery charger shall comply with one of the following:

- a) The Standard for Power Units Other Than Class 2, UL 1012;
- b) The Standard for Information Technology Equipment, Part 1: General Requirements, UL 60950-1; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

5.12.1 A Class 2 power supply shall comply with one of the following:

- a) The Standard for Class 2 Power Units, UL 1310;
- b) The Standard for Information Technology Equipment, Part 1: General Requirements, UL 60950-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS"; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, marked "Class 2" that complies with the limited power source (LPS) requirements and is marked "LPS".

5.12.2 A non-Class 2 power supply shall comply with one of the following:

- a) The Standard for Power Units Other Than Class 2, UL 1012;
- b) The Standard for Information Technology Equipment, Part 1: General Requirements, UL 60950-1; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.