ANSI STANDARDS ACTION

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Contents

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

ISSN 0038-9633

Comment Deadline: July 5, 2020

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

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

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 147-202x, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013)

This addendum makes additions to Section 9.2, Refrigerant Transfer, Transport, and Storage. These changes address the safe storage of flammable refrigerants and adds NFPA 55 and IFC-ICC Chapter 58 to the normative references.

Click here to view these changes in full

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

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

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

Addenda

BSR/ASHRAE Addendum b to BSR/ASHRAE Standard 147-202x, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013)

This addendum makes additions to Section 7.1.2, Major Considerations, and 8.1.6, Repairs. The purpose of the changes is to address the proper means and methods for repairing refrigeration systems.

Click here to view these changes in full

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

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

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

Addenda

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

This ISC modifies the first public review draft to provide clarity to the indoor lighting quality occupancy requirement.

Click here to view these changes in full

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

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

This ISC modifies the first public review draft to address public review comments about Section 8.3.1.10 (Preoccupancy Ventilation Control) language that was considered ambiguous.

Click here to view these changes in full

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

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This ISC modifies the first public review draft, which included ASHRAE 62.1-2019 updates, to make additional improvements as identified during public review.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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This ISC modifies the first public review draft to clarify which types of air cleaning devices are subject to the ozone emission requirements in Section 8.3.1.3.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addendum bt to 189.1-2017 modifies Section 7.4.3.9 to align occupancy sensor maximum time delay requirements in hotel/motel guest rooms with similar requirements in ASHRAE 90.1. The proposal reduces the current time delay from 30 to 20 minutes, which will result in energy savings from decreased use of HVAC systems and lighting.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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Addendum bu to 189.1-2017 includes changes to terminology and section references linked to ASHRAE 90.1. Standard 90.1 recently replaced the terms “energy recovery effectiveness” and “sensible heat recovery effectiveness” with “enthalpy recovery ratio” and “sensible energy recovery ratio”, respectively, and the same change is now proposed for 189.1.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: July 5, 2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2850 https://ul.org/

Revision

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

Recirculation of the following: (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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 4248-19-202x, Standard for Safety for Fuseholders - Part 19: Photovoltaic Fuseholders (revision of ANSI/UL 4248-19-2015)

This recirculation proposal provides revisions to the UL 4248-19 proposal dated 11-1-19.

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: July 20, 2020

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 ph: (703) 684-0211 www.agma.org

Reaffirmation

BSR/AGMA 1104-2009 (R202x), Tolerance Specification for Shaper Cutters (reaffirmation of ANSI/AGMA 1104-2009 (R2015))

This standard covers types, sizes, tolerances, marking, and nomenclature for finishing- and pre-finishing-type shaper cutters for generating involute spur and helical gears, splines, and serrations.

Single copy price: $87.00
Obtain an electronic copy from: tech@agma.org
Order from: tech@agma.org
Send comments (with optional copy to psa@ansi.org) to: aboutaleb@agma.org

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 ph: (703) 684-0211 www.agma.org

Reaffirmation

BSR/AGMA 2015-2-B2015 (R202x), Gear Tooth Flank Tolerance Classification System - Definitions and Allowable Values of Double Flank Radial Composite Deviations (reaffirmation of ANSI/AGMA 2015-2-B2015)

This standard establishes a classification system for double-flank radial composite tolerances—allowable values of deviations—of individual cylindrical involute gears, sector gears, racks, cylindrical worms, worm gears, and hypoid or bevel gears.

Single copy price: $68.00
Obtain an electronic copy from: tech@agma.org
Order from: tech@agma.org
Send comments (with optional copy to psa@ansi.org) to: aboutaleb@agma.org

Comment Deadline: July 20, 2020

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Reaffirmation

BSR/ANS 8.27-2015 (R202x), Burnup Credit for LWR Fuel (reaffirmation of ANSI/ANS 8.27-2015)

This standard provides criteria for accounting for reactivity effects of fuel irradiation and radioactive decay in criticality safety control of storage, transportation, and disposal of commercial LWR UO2 fuel assemblies. This standard assumes the fuel and any fixed burnable absorbers are contained in an intact assembly. Additional considerations could be necessary for fuel assemblies that have been disassembled, consolidated, damaged, or reconfigured in any manner.

Single copy price: $103.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (with optional copy to psa@ansi.org) to: P. Schroeder; pschroeder@ans.org

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 ph: (269) 757-1213 https://www.asabe.org/

Revision

BSR/ASABE EP585.1 MON-202x, Animal Mortality Composting (revision and redesignation of ANSI/ASABE EP585-2015 (R2019))

This Engineering Practice provides guidelines for biosecure, environmentally acceptable, and economically sustainable disposal of livestock and poultry carcasses and carcass parts via composting.

Single copy price: $48.00 (ASABE Members); $68.00 (Non-Members)
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 ph: (703) 295-6176 www.asce.org

Revision

BSR/ASCE/T&DI 21-202x, Automated People Mover Standard (revision of ANSI/ASCE T&DI 21-2013)

ANSI/ASCE/T&DI 21 presents the minimum requirements for the design, construction, operation, and maintenance of APM systems. The standard covers the operating environment, safety, system dependability, automatic train control, and communications, and provides information on vehicles and propulsion and braking systems (PBS), along with information on electrical systems, stations, and guideways also providing information on security; emergency preparedness; system verification and demonstration; operation, maintenance, and training; and operational monitoring.

Single copy price: Free
Obtain an electronic copy from: jneckel@asc.org
Order from: James Neckel, (703) 295-6176, jneckel@asce.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

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

Addenda

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Addendum bs to 189.1-2017 provides corrections to the current standard and its published addenda by re-formatting defined terms to be italicized and, where necessary, adjusting text to match defined terms if that was the original intent.

Single copy price: $35.00
Obtain an electronic copy 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

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

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 ph: (703) 907-7697 www.cta.tech

Revision

BSR/CTA 774-D-202x, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-C-2014)

This standard defines test and measurement procedures for use by manufacturers of television receive antennas who wish to categorize their antennas in accordance with CTA-2028-A, Color Codes for Outdoor TV Receiving Antennas, for use with the CTA TV Antenna Selector Program www.AntennaWeb.org. Essential elements include procedures to determine antenna gain, front-to-back ratio, average gain to null ratio, directivity, and distortion performance of active antennas with integrated amplifiers.

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

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 ph: (703) 907-7697 www.cta.tech

Stabilized Maintenance

BSR/CTA 762-B-2008 (S202x), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))

This standard defines minimum specifications for a one-way data path utilizing an 8-VSB trellis remodulator in compliance with ATSC A/53, Part 2:2007, ATSC Digital Television Standard Part 2 - RF/Transmission System Characteristics. This standard applies to any type of device used to connect to an ATSC compliant digital television (DTV) receiver. Devices meeting this standard should interoperate with any ATSC compliant receiver that also supports monitor mode.

Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Order from: standards@cta.tech
Send comments (with optional copy to psa@ansi.org) to: Same

FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 ph: (781) 255-4813 www.fmglobal.com

Revision

BSR/FM 2510-202x, Flood Abatement Equipment (revision of ANSI/FM 2510-2014)

The FM Approvals 2510 Standard contains test requirements for the performance of flood barriers, flood mitigation pumps, backwater valves, and waterproofing products for building penetrations, as well as an evaluation of the components comprising these products to assure reliability in the barrier's performance.

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

Comment Deadline: July 20, 2020

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 ph: (313) 550-2073 www.hl7.org

New Standard

BSR/HL7 V3 PSAF, R1-202x, HL7 Version 3 Standard: Privacy and Security Architecture Framework - Trust Framework for Federated Authorization, Release 1 (new standard)

HL7 Security WG is developing of an overarching Privacy and Security Framework Architecture [PSAF] based on foundational standards: ISO/IEC 10181-3 and ISO 22600. PSAF is the unifying framework for all HL7 Privacy and Security standards, and now includes a Trust Framework for Federated Authorization [TF4FA]. TF4FA includes a conceptual information and behavioral model in separate volumes.

Single copy price: Free to members and non-members
Obtain an electronic copy from: Karenvan@HL7.org
Order from: Karen Van Hentenryck, (313) 550-2073, Karenvan@HL7.org
Send comments (with optional copy to psa@ansi.org) to: Same

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 ph: (313) 550-2073 www.hl7.org

Reaffirmation

BSR/HL7 V3 RPS, R2-2015 (R202x), HL7 Version 3 Standard: Regulated Product Submission, Release 2 (reaffirmation of ANSI/HL7 V3 RPS, R2-2015)

Release 2 of this standard supports the following objectives:
- New requirements for regulatory submissions to FDA described in the PDUFA IV Goals Letter, http://www.fda.gov/oc/pdufa/default.htm;
- International requirements for eCTD v4 for drug and biologic products, and
- Use in global Medical Device electronic application submissions.

Single copy price: Free to members and non-members
Obtain an electronic copy from: Karenvan@HL7.org
Order from: Karen Van Hentenryck, (313) 550-2073, Karenvan@HL7.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 ph: (708) 995-3017 www.asse-plumbing.org

New Standard

BSR/ASSE 1072-202x, Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains (new standard)

This standard establishes physical requirements, performance requirements, and test procedures for barrier type floor drain trap seal protection devices (referred to as the “device” in this standard). These devices are designed to help protect the floor drain trap seal of floor drains that comply with ASME A112.6.3 by minimizing evaporation. The purpose of this device is to minimize the evaporation of the trap seal for the floor drain. The device will open to allow the flow of drainage and close when there is no flow.

Single copy price: Free
Obtain an electronic copy from: chris@asse-plumbing.org
Send comments (with optional copy to psa@ansi.org) to: chris@asse-plumbing.org

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

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

New Standard

BSR A108.20-202x, Standard Specifications for Exterior Installation of Vertical and Overhead Gauged Porcleain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Improved Modified Dry-Set Cement Mortar (new standard)

This specification provides interior installation procedures and requirements for installing gauged porcelain tiles and gauged porcelain tile panels/slabs that meet ANSI A137.3, tables 4 and 5.

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

Comment Deadline: July 20, 2020

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

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

Revision

BSR A136.1-202x, Standard Specifications for Organic Adhesives for Installation of Ceramic Tile (revision of ANSI A136.1-2008 (R2013))

This standard provides a basis for promoting the quality of organic adhesives to be used appropriate installation procedures specified in the current ANSI A108.4. This standard organic adhesives for the installation of ceramic tile in interior areas requiring Type I and II water resistance and specified minimum requirements and methods of testing.

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

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

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

Revision

BSR A326.3-202x, Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials (revision of ANSI A326.3-2017)

This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard-surface flooring materials.

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

TIA (Telecommunications Industry Association)

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

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)

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.

Single copy price: $146.00
Obtain an electronic copy from: standards@tiaonline.org
Order from: TIA; standards@tiaonline.org
Send comments (with optional copy to psa@ansi.org) to: Same

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 https://ul.org/

Reaffirmation

BSR/UL 60079-5-2016 (R202x), Standard for Safety for Explosive Atmospheres - Part 5: Equipment Protection by Powder Filling “q” (reaffirm a national adoption ANSI/UL 60079-5-2016)

This proposal for UL 60079-5 covers a reaffirmation and continuance of the fourth edition of the Standard for Safety for Explosive Atmospheres - Part 5: Equipment Protection by Powder Filling “q”, UL 60079-5, as an American National Standard.

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: July 20, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 https://ul.org/

Reaffirmation

BSR/UL 60079-6-2016 (R202x), Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion "o" (reaffirm a national adoption ANSI/UL 60079-6-2016)

This proposal for UL 60079-6 covers a Reaffirmation and continuance of the fourth edition of the Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion "o", UL 60079-6, as an American National Standard.

Single copy price: Free
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UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2850 https://ul.org/

Revision

BSR/UL 347A-202x, Standard for Safety for Medium Voltage Power Conversion Equipment (revision of ANSI/UL 347A-2019)

Ballot of the following topics: (1) Requirements for surge arrestors; (2) Temperature testing of non-continuous current circuits; (3) Corrosion protection requirements; (4) Arrangement of components/operating handles and control devices; (5) Clarification of requirements for low-voltage field wiring terminals; (6) Requirements for interlocking of precharge circuits; (7) Clarification of enclosure requirements; (8) Alignment of insulation systems temperatures - table 30.1; (9) Removal of Appendix A; (10) Correction of spelling error in 13.1.2; (11) Revision to spacing requirements associated with UL 840; and (12) Short circuit testing conducted for a time duration. (13) Adding requirements for Service Equipment to UL 347A.

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2023 https://ul.org/

Revision

BSR/UL 982-202x, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2017)

This proposal for UL 982 covers: (1) Rated capacity definition correction, (2) Intentionally defeating interlocks, (3) Universal serial bus (USB) and automotive-adapter-powered appliances, (4) Food processor fill line marking, (5) Removal of the 'Max' marking for multipurpose appliances, (6) Alternative to the Blender Blade Endurance test, (7) Wand-type mixer – aligning instructions with recent revisions to 72.1(c), and (8) Blender container position switch in place of marking of 72.3.3.

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

Comment Deadline: July 20, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 https://ul.org/

Revision

BSR/UL 121303-202x, Standard for Safety for Guide for Use of Detectors for Flammable Gases (revision and redesignation of ANSI/UL 121303-202x)

This proposal for UL 121303 covers revisions to the proposal document dated March 6, 2020 for the Adoption of ISA 12.13.03, Standard for Safety for the Guide for Use of Detectors for Flammable Gases as a new UL standard, UL 121303 per responses to comments received.

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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: August 4, 2020

CSA (CSA America Standards Inc.)

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

Revision

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

BSR NGV 4.8/CSA 12.8-202x, Natural gas vehicle fueling station compressor packages (revision of ANSI NGV 4.8/CSA 12.8-202x)

This Standard describes the general requirements for compressor packages used in compressed natural gas fueling station service. The compressor package shall be designed for use with pipeline quality natural gas as defined in NFPA 52 or CSA B149.1 as applicable and for the pressures and temperatures to which it may be subjected under packager-specified operating conditions. Renewable natural gas (RNG) is considered to be pipeline quality natural gas. Current compressor types covered by this document include but are not limited to reciprocating compressors, Integrated Combustion Engine and Compressor Package, and hydraulic intensifying compressor.

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.)

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

Revision

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

BSR/IAS NGV 4.4/CSA 12.54-202x, Breakaway devices for natural gas dispensing hoses and systems (revision of ANSI/IAS NGV 4.4/CSA 12.54-1999 (R2019))

This Standard applies to newly produced compressed natural gas vehicle (NGV) dispenser fueling hose emergency main line breakaway shutoff devices and vent line breakaway shutoff devices, to be referred to as devices in this standard. NOTE: It is not applicable to “vehicle refueling appliances”. Main-line breakaway devices covered by this Standard are intended to: (a) minimize the escape of natural gas by automatically shutting off the flow of gas from the dispenser and control the depressurization of the hose, and (b) separate the fueling hoses attached to the vehicle from the dispenser during an unintended drive-off event. Vent-line breakaway devices covered by this standard are intended to separate the vent-line hose attached to the vehicle from the dispenser during an unintended drive-off event.

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

Project Withdrawn

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

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI AT6-2013 (R202x), Autologous transfusion devices (reaffirmation of ANSI/AAMI AT6-2013)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI BF7-2012 (R202x), Blood transfusion micro-filters (reaffirmation of ANSI/AAMI BF7-2012)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI BF64-2012 (R202x), Leukocyte reduction filters (reaffirmation of ANSI/AAMI BF64-2012)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI NS28-1988 (R202x), Intracranial pressure monitoring devices (reaffirmation of ANSI/AAMI NS28-1988 (R2015))

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI/ISO 14708-4-202x, Implants for surgery - Active implantable medical devices - Part 4: Implantable infusion pump (identical national adoption of ISO 14708-4, 2nd edition (under development) and revision of ANSI/AAMI/ISO 14708-4-2008)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 ph: (703) 253-8274 www.aami.org

BSR/AAMI/ISO 27186-202x, Active implantable medical devices - Four-pole connector system for implantable cardiac rhythm management devices - Dimensional and test requirements (identical national adoption of ISO 27186 (under development) and revision of ANSI/AAMI/ISO 27186-2010)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ABYC (American Boat and Yacht Council)

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

BSR/ABYC P-18-202x, Cable over Pulley Steering Systems for Outboard Engines (revision of ANSI/ABYC P-18-2013)

Inquiries may be directed to Sara Moulton, (410) 990-4460, smoulton@abycinc.org

Project Withdrawn

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

BSR/API Recommended Practice, 13A, 18th Edition-202x, Drilling Fluids Materials (revision and redesignation of ANSI/API Spec 13A/ISO 13500, 18th Ed-2010)

Inquiries may be directed to Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

BSR/API Spec 13A/ISO 13500-200x, Specification for Drilling Fluid Materials (addenda to ANSI/API Spec 13A/ISO 13500-2008)

Inquiries may be directed to Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8286 www.api.org

BSR/API Spec 13A/ISO 13500, 18th Edition-2010 (R201x), Specification for Drilling Fluid Materials (reaffirmation and redesignation of ANSI/API Spec 13A/ISO 13500, 18th Ed-2010)

Inquiries may be directed to Jacqueline Roueche, (202) 682-8286, RouecheJ@api.org

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 ph: (703) 907-7697 www.cta.tech

BSR/CTA 2068.4-202x, Definitions and Characteristics of Consumer Technologies for Monitoring Physical and Psychosocial Stress - Heart Rate (new standard)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 ph: (703) 907-7697 www.cta.tech

BSR/CTA 2083-202x, Requirements for Reporting Performance and Usage Information for Mobile Health Solutions (new standard)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

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

ABYC (American Boat and Yacht Council)

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

ANSI/ABYC T-1-2010, Aluminum Applications for Boats and Yachts

Inquiries may be directed to comments@abycinc.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

ABYC (American Boat and Yacht Council)

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

ANSI/ABYC P-18-2013, Cable Over Pulley Steering Systems for Outboard Engines

Questions may be directed to: Sara Moulton, (410) 990-4460, smoulton@abycinc.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8056 www.api.org

ANSI/API Spec 5DP/ISO 11961-2009 (R2015), Specification for Drill Pipe

Questions may be directed to: Benjamin Coco, (202) 682-8056, cocob@api.org

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 ph: (816) 595-4860 www.saiaonline.org

ANSI/SAIA A92.3-2006 (R2014), Standard for Manually Propelled Elevating Aerial Platforms

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 ph: (816) 595-4860 www.saiaonline.org

ANSI/SAIA A92.5-2006 (R2014), Standard for Boom-Supported Elevating Work Platforms

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 ph: (816) 595-4860 www.saiaonline.org

ANSI/SAIA A92.6-2006 (R2014), Standard for Self-Propelled Elevaing Work Platforms

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 ph: (816) 595-4860 www.saiaonline.org

ANSI/SAIA A92.8-2006 (R2011), Vehicle-Mounted Bridge Inspection and Maintenance Devices

The above SAIA (ASC A92) standards are being superseded by the following standards:
ANSI/SAIA A92.20-2020: Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs)
ANSI/SAIA A92.22-2020: Safe Use of Mobile Elevating Work Platforms (MEWPs)
ANSI/SAIA A92.24-2018: Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs)

Correction

Revision of Text under Review for BSR/UL 399-202x

Comment Deadline: June 28, 2020

A typo was discovered in the originally submitted bulletin watermark document for UL 399, published in Standards Action, dated May 29, 2020. The May 29th issue of Standards Action was revised and reposted on the ANSI website. For the convenience of our readers, we are reprinting the corrected text in this week's issue. The comment deadline of BSR/UL 399-202x is June 28, 2020.

Click here to view these changes in full

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
901 N. Glebe Road, Suite 300
Arlington, VA 22203
p: (703) 253-8263
e: cbernier@aami.org

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)

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified: US adoption of AAMI/IEC 60601-2-16-2018, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment. 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, HAEMODIAFILTRATION 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.

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)

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified: US adoption of AAMI/IEC 60601-2-39:2018, Medical electrical equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment. 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.

AGMA (American Gear Manufacturers Association)

Contact: Amir Aboutaleb
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314-1587
p: (703) 684-0211
e: tech@agma.org

BSR/AGMA 1104-2009 (R202x), Tolerance Specification for Shaper Cutters (reaffirmation of ANSI/AGMA 1104-2009 (R2015))

BSR/AGMA 2015-2-B2015 (R202x), Gear Tooth Flank Tolerance Classification System - Definitions and Allowable Values of Double Flank Radial Composite Deviations (reaffirmation of ANSI/AGMA 2015-2-B2015)

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.

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Jean Walsh
2950 Niles Road
Saint Joseph, MI 49085
p: (269) 757-1213
e: walsh@asabe.org

BSR/ASABE EP585.1 MON-202x, Animal Mortality Composting (revision and redesignation of ANSI/ASABE EP585-2015 (R2019))

Specific interest areas requested: "USERS". No academia or research needed.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster
1919 South Eads Street
Arlington, VA 22202
p: (703) 907-7697
e: vlancaster@cta.tech

BSR/CTA 762-B-2008 (S202x), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))

BSR/CTA 774-D-202x, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-C-2014)

BSR/CTA 2099-202x, Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)

BSR/CTA 2100-202x, Standard Method of Measurement for Soundbars (new standard)

FCI (Fluid Controls Institute)

Contact: Leslie Schraff
1300 Sumner Avenue
Cleveland, OH 44115
p: (216) 241-7333
e: fci@fluidcontrolsinstitute.org

BSR/FCI 15-1-202x, Standard for Production Testing of Pressure Regulators (revision of ANSI/FCI 15-1-2015)

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

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

BSR C63.9-202x, Standard for Laboratory immunity testing of office equipment exposed to RF sources (revision of ANSI C63.9-2008 (R2014))

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

Contact: Lynn Barra
700 K Street NW, Suite 600
Washington, DC 20001
p: (202) 737-8888
e: comments@standards.incits.org

INCITS 18-1974 [S2020], Punched paper tape - Dimensions and location of feed holes and code holes (stabilized maintenance of INCITS 18-1974 (R2005))

INCITS 19-1974 [S2020], Eleven-Sixteenths Inch Perforated Paper Tape for Information Interchange (stabilized maintenance of INCITS 19-1974 (R2005))

INCITS 20-1967 [S2020], Take-up Reels for One Inch Perforated Tape for Information Interchange (stabilized maintenance of INCITS 20-1967 (R2005))

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.

INCITS 29-1971 [S2020], Specifications for Properties of Unpunched Oiled Paper Perforator Tape (stabilized maintenance of INCITS 29-1971 (R2005))

INCITS 34-1972 [S2020], Interchange Rolls of Perforated Tape for Information Interchange (stabilized maintenance of INCITS 34-1972 (R2005))

INCITS 100-1989 [S2020], Interface between DTE & DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25) (stabilized maintenance of INCITS 100-1989 (R2005))

INCITS 100a-1991 [S2020], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum (stabilized maintenance of INCITS 100a-1991 (R2005))

INCITS 124.3-1989 [S2020], Information technology - Computer Graphics - Graphical Kernel System (GKS), Ada Binding (stabilized maintenance of INCITS 124.3-1989 (R2005))

INCITS 166-1989 [S2020], Fiber Distributed Data Interface (FDDI) Physical Layer, Medium Dependent (PMD) (stabilized maintenance of INCITS 166-1989 (R2005))

INCITS 171-1989 [S2020], One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpmm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements (stabilized maintenance of INCITS 171 -1989 (R2005))

INCITS 178-1990 [S2020], Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services (stabilized maintenance of INCITS 178-1990 (R2005))

INCITS 178a-1991 [S2020], Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services - Addendum (stabilized maintenance of INCITS 178a -1991 (R2005))

INCITS 235-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.25 (6.30 mm), 10000 -12500 ftpi, (394 - 492 ftpmm) Coercivity 550 oersteds (44000 amperes/meter) (Types 6150, 6250, 6037) (stabilized maintenance of INCITS 235-1995 (R2005))

INCITS 244-1995 [S2020], Information Technology - Test Methods for Media Characteristics - 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 244-1995 (R2005))

INCITS 249-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10 000 - 14 700 ftpi (394 579 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005))

INCITS 251-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 ftpi (787 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))

INCITS 262-1995 [S2020], Protocol Implementation Conformance Statement Proforma for FDDI (FDDI CT-PICS) (stabilized maintenance of INCITS 262-1995 (R2005))

INCITS 263-1995 [S2020], Fiber Distributed Data interface (FDDI) Twisted Pair - Physical Medium Dependent (TP-PMD) (stabilized maintenance of INCITS 263-1995 (R2005))

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.

INCITS/ISO/IEC 8632-1:1999 [S2020], Information Technology - Computer Graphics - Metafile for the Storage and Transfer of Picture Description Information - Part 1: Functional Specification (stabilized maintenance of INCITS/ISO/IEC 8632 -1-1999 (R2005))

INCITS/ISO/IEC 8632-3:1999 [S2020], Information Technology - Computer Graphics - Metafile for the Storage and Transfer of Picture Description Information - Part 3: Binary Encoding (stabilized maintenance of INCITS/ISO/IEC 8632-3-1999 (R2005))

INCITS/ISO/IEC 8632-4:1999 [S2020], Information Technology - Computer Graphics - Metafile for the Storage and Transfer of Picture Description Information - Part 4: Clear Text Encoding (stabilized maintenance of INCITS/ISO/IEC 8632-4-1999 (R2005))

INCITS/ISO/IEC 9638-3:1994 [S2020], Computer Graphics - Computer Graphics Interface (CGI) - Part 3: ADA (stabilized maintenance of INCITS/ISO/IEC 9638-3-1994 (R2005))

INCITS/ISO/IEC 12087-1:1995 [S2020], Information Technology - Computer Graphics and Image Processing - Image Processing and Interchange (IPI) - Functional Specification - Part 1: Common Architecture for Imaging (stabilized maintenance of INCITS/ISO/IEC 12087-1-1995 (R2005))

INCITS/ISO/IEC 10279:1991 [S2020], Information technology - Programming languages - Full BASIC (stabilized maintenance of INCITS/ISO/IEC 10279-1991 (R2005))

INCITS/ISO/IEC 15486:1998 [S2020], Information Technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 2,6 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 15486-1998 (R2005))

RVIA (Recreational Vehicle Industry Association)

Contact: Kent Perkins
1899 Preston White Drive
Reston, VA 20191-4326
p: (703) 620-6003
e: kperkins@rvia.org

BSR/RVIA RVEC-1-202x, Recommended Practice Testing Requirements of Exterior Components for Recreational Vehicles (new standard)

TIA (Telecommunications Industry Association)

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

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 Members

AAMI (Association for the Advancement of Medical Instrumentation)

U.S. Adoption of AAMI/IEC 60601-1-16-2018

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

US adoption of **AAMI/IEC 60601-2-16-2018**, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment. Specifies the minimum safety requirements for HAEMODIALYSIS EQUIPMENT. This HAEMODIALYSIS EQUIPMENT is 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, HAEMODIAFILTRATION 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. Contact: Cliff Bernier, (703) 253-8263, cbernier@aami.org.

U.S. Adoption of AAMI/IEC 60601-2-39-2018

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

US adoption of **AAMI/IEC 60601-2-39:2018**, Medical electrical equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment. 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. Contact: Cliff Bernier, (703) 253-8263, cbernier@aami.org.

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.

ASA (ASC S1) (Acoustical Society of America)

New Standard

ANSI/ASA S1.13-2020, Measurement of Sound Pressure Levels in the Air (new standard): 5/28/2020

Reaffirmation

ANSI ASA S1.6-2020, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (reaffirmation of ANSI ASA S1.6 -2016): 5/28/2020

ANSI/ASA S1.1-2013 (R2020), Acoustical Terminology (reaffirmation of ANSI/ASA S1.1-2013): 5/28/2020

ANSI/ASA S1.8-2016 (R2020), Reference Values for Levels Used in Acoustics and Vibrations (reaffirmation of ANSI/ASA S1.8-2016): 5/28/2020

ANSI/ASA S1.11-2016/Part 2/IEC 61260-2:2016 (R2020), Electroacoustics - Octave-Band and Fractional-Octave-Band Filters - Part 2: Pattern-Evaluation Tests (reaffirm a national adoption ANSI/ASA S1.11-2016/Part 2/IEC 61260-2:2016): 5/28/2020

ANSI/ASA S1.11-2016/Part 3/IEC 61260-3:2016 (R2020), Electroacoustics - Octave-Band and Fractional-Octave Band Filters - Part 3: Periodic Tests (reaffirm a national adoption ANSI/ASA S1.11-2016/Part 3/IEC 61260 -3:2016): 5/28/2020

ANSI/ASA S1.15-1997/Part 1 (R2020), Measurement Microphones - Part 1: Specifications for Laboratory Standard Microphones (reaffirmation of ANSI/ASA S1.15-1997/Part 1 (R2016)): 5/28/2020

ANSI/ASA S1.15-2005/Part 2 (R2020), Measurement Microphones - Part 2: Primary Method for Pressure Calibration of Laboratory Standard Microphones by the Reciprocity Technique (reaffirmation of ANSI/ASA S1.15-2005/Part 2 (R2015)): 5/28/2020

ANSI/ASA S1.16-2000 (R2020), Method for Measuring the Performance of Noise Discriminating and Noise Canceling Microphones (reaffirmation of ANSI/ASA S1.16-2000 (R2015)): 5/28/2020

ANSI/ASA S1.20-2012 (R2020), Procedures for Calibration of Underwater Electroacoustic Transducers (reaffirmation of ANSI/ASA S1.20-2012): 5/28/2020

ANSI/ASA S1.25-1991 (R2020), Specification for Personal Noise Dosimeters (reaffirmation of ANSI/ASA S1.25-1991 (R2017)): 5/28/2020

ANSI/ASA S1.40-2006 (R2020), Specifications and Verification Procedures for Sound Calibrators (reaffirmation of ANSI/ASA S1.40-2006 (R2016)): 5/28/2020

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S3/SC1.100-2014/ANSI/ASA S12.100-2014 (R2020), Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas (reaffirmation of ANSI/ASA S3/SC1.100-2014/ANSI/ASA S12.100-2014): 5/28/2020

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.24-1-2020, Retail Financial Services Symmetric Key Management - Part 1: Using Symmetric Techniques (revision and redesignation of ANSI X9.24 Part 1-2017): 5/28/2020

ANSI X9.102-2020, Symmetric Key Cryptography for the Financial Services Industry - Wrapping of Keys and Associated Data (revision of ANSI X9.102 -2008 (R2017)): 5/26/2020

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

Addenda

ANSI/ASHRAE Addendum a to Standard 30-2020, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019): 5/29/2020

ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 188-2020, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2018): 5/29/2020

Revision

ANSI/ASHRAE/SMACNA Standard 126-2020, Methods of Testing HVAC Air Ducts (revision of ANSI/ASHRAE/SMACNA Standard 126-2016): 5/29/2020

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): 5/28/2020

IES (Illuminating Engineering Society)

New Standard

ANSI/IES LP-6-2020, Lighting Practice: Lighting Control Systems - Properties, Equipment and Specification (new standard): 5/28/2020

ANSI/IES RP-42-2020, Recommended Practice: Dimming and Control Method Designations (new standard): 5/29/2020

ANSI/IES TM-24-2020, Lighting Science: An Optional Method for Adjusting the Recommended Illuminance for Visually Demanding Tasks within IES Illuminance Categories P through Y Based on Light Source Spectrum (new standard): 5/28/2020

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

New Standard

INCITS 556-2020, Fibre Channel - Non-Volatile Memory Express - 2 (FC-NVMe - 2) (new standard): 5/28/2020

NSF (NSF International)

Revision

ANSI/NSF/CAN 60-2020 (i86r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019): 5/26/2020

ANSI/NSF/CAN 60-2020 (i87r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019): 5/27/2020

ANSI/NSF/CAN 60-2020 (i89r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019): 5/28/2020

ANSI/NSF/CAN 61-2020 (i153r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2019): 5/29/2020

UL (Underwriters Laboratories)

New Standard

ANSI/UL 498D-2020, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (new standard): 5/28/2020

ANSI/UL 498E-2020, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles - Enclosure Types for Environmental Protection (new standard): 5/28/2020

ANSI/UL 498F-2020, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (new standard): 5/28/2020

ANSI/UL 498M-2020, Standard for Safety for Marine Shore Power Inlets (new standard): 5/28/2020

Reaffirmation

ANSI/UL 1425-2010 (R2020), Standard for Cables for Non-Power-Limited Fire-Alarm Circuits (reaffirmation of ANSI/UL 1425-2010 (R2015)): 5/29/2020

Revision

ANSI/UL 507-2020, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2018): 5/27/2020

ANSI/UL 514B-2020, Standard for Conduit, Tubing, and Cable Fittings (revision of ANSI/UL 514B-2014): 5/22/2020

ANSI/UL 746B-2020a, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2019): 5/29/2020

ANSI/UL 1247-2020, UL Standard for Safety for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2019): 6/1/2020

ANSI/UL 1574-2020, Standard for Safety for Track Lighting Systems (revision of ANSI/UL 1574-2012 (R2016)): 5/27/2020

ANSI/UL 1598B-2020, Standard for Safety for Supplemental Requirements for Luminaire Reflector Kits for Installation on Previously Installed Fluorescent Luminaires (revision of ANSI/UL 1598B-2014 (R2020)): 5/29/2020

ANSI/UL 1640-2020, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2016): 5/29/2020

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.

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org

New Standard

BSR/ASB Std 153-202x, Standard Practices for Proficiency Testing for Forensic Toxicology Laboratories (new standard)

Stakeholders: The forensic toxicology community, law enforcement, attorneys, medicolegal death investigation community, and courts.
Project Need: Proficiency testing in forensic toxicology evaluates the overall performance, accuracy, and reliability of a laboratory through the testing of specimens whose composition is unknown to the participant(s), based on their performance compared to an accepted consensus result using pre-established criteria. Although strong quality control is an important part of a valid and robust forensic toxicology program, it does not replace proficiency testing. Proficiency testing enables a laboratory to assess their capabilities and uncover areas for improvement in the event that its results do not compare favorably to a consensus result.
This document defines the minimum scope and frequency for proficiency testing for laboratories engaged in the following sub-disciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes, driving-under-the-influence of alcohol or drugs, breath alcohol), and general forensic toxicology (non-lethal poisonings or intoxications). This document is not intended to cover employment drug testing or court-ordered toxicology (e.g., probation and parole, drug courts, child services).

ASME (American Society of Mechanical Engineers)

Contact: Terrell Henry, (212) 591-8489, ansibox@asme.org
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 www.asme.org

Revision

BSR/ASME B5.50-202x, 7/24 Taper Tool to Spindle Connection for Automatic Tool Change (revision of ANSI/ASME B5.50-2015)

Stakeholders: Aerospace, construction, manufacturers, automotive, medical, machining centers.
Project Need: This standard is being updated to reflect the state of the art of applicable technologies.
This Standard pertains to the standardization of basic toolholder shank, retention knob, and socket assemblies for numerically controlled machining centers with automatic tool changers. The requirements contained in this standard are intended to provide toolholder interchangeability between machining centers with automatic tool changers of various types.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

New National Adoption

BSR/AWS A4.3-202X (ISO 3690-2018 MOD), Welding and Allied Processes - Determination of Hydrogen Content in Arc Weld Metal (national adoption of ISO 3690:2018 with modifications and revision of ANSI/AWS A4.3-93 (R2006))

Stakeholders: Producers of welding products, fabricators, welding educators, welding consultants, welding designers, and professionals having general interest in welding.
Project Need: Adopting ISO 3690:2018 standard with modifications
Standard test specimens and method of preparation are set forth, along with two standard methods of diffusible hydrogen analysis, mercury displacement, and gas chromatography. The methods are suitable for manual metal arc welding, gas metal arc welding, flux-cored arc welding, and submerged arc welding using welding conditions and electrodes given in several applicable American Welding Society and International Standards Organization filler metal specifications.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

New Standard

BSR/AWS A5.29/A5.29M-202X, Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding (new standard)

Stakeholders: Filler metal producers, fabricators, welding educators, welding consultants, and professionals having general interest in welding.
Project Need: (1) Adding requirement to report the boron level of the weld deposit if intentionally added or known to be present at levels greater than 0.0010%. (2) The maximum % Mn requirement for the Ni1 alloy type has been raised from 1.50% to 1.75%. (3) Five new low-alloy types (B92, K10, K11, K12, and K13) have been added. (4) The B9 alloy type has been renamed to B91 type to reflect current practice, and two supplemental designators are included for low Mn +Ni content. Refer to Figure 1, Clause 15.3 and A8.3 in Annex A (5) Two 20% Mn types (Mn1 and Mn2) have been included in this document. Weld metal of this composition has an austenitic microstructure and is suitable for joining austenitic steels of similar composition which are used for containing liquid natural gas and other cryogenic liquids.
This specification prescribes the requirements for classification of low-alloy steel electrodes for flux cored 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 improved toughness and diffusible hydrogen. Additional requirements are included 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 low-alloy steel flux-cored electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166 www.aws.org

Revision

BSR/AWS A5.20/A5.20M-202X, Specification for Carbon Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.20/A5.20M-2005 (R2015))

Stakeholders: Filler metal producers, fabricators, welding educators, welding consultants, and professionals having general interest in welding.
Project Need: To remove "Q" and "D" optional, supplemental designators, adding boron reporting requirement, adding an alternate configuration similar to type 1.3 per ISO 15792-1:2000 as an option for the groove weld, and adding optional supplemental designators to indicate ranges of shielding gasses for which an electrode meets the requirements for classification.
This specification prescribes the requirements for classification of carbon steel electrodes for flux cored arc welding. The requirements include chemical composition and mechanical properties of the weld metal and certain usability characteristics. It also includes optional, supplemental designators for lower temperature toughness requirements, diffusible hydrogen limits, and shielding gas range designators. Additional requirements are included 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 steel flux-cored electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech
1919 South Eads Street, Arlington, VA 22202 www.cta.tech

New Standard

BSR/CTA 2099-202x, Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)

Stakeholders: Consumers, manufacturers, retailers, and installers.
Project Need: To develop a standard on how to determine the maximum output capability of loudspeakers, subwoofers, and amplifiers intended for use in consumer/residential applications.
This standard describes how to determine the maximum output capability of loudspeakers, subwoofers, and amplifiers intended for use in consumer/residential applications. It also describes how to determine the appropriate crossover frequency region for and between loudspeakers and subwoofers. The loudspeaker sections of this standard apply only to loudspeaker systems. This standard is not applicable to raw transducers.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech
1919 South Eads Street, Arlington, VA 22202 www.cta.tech

New Standard

BSR/CTA 2100-202x, Standard Method of Measurement for Soundbars (new standard)

Stakeholders: Consumers, manufacturers, retailers, and installers.
Project Need: To develop a standard that address total performance measurements for Soundbar systems.
This standard describes how to combine the output volume, frequency, and directivity response into an overall performance rating for the Soundbar System. This rating can then be used by consumers to categorize and compare performance of Soundbar Systems.

FCI (Fluid Controls Institute)

Contact: Leslie Schraff, (216) 241-7333, fci@fluidcontrolsinstitute.org
1300 Sumner Avenue, Cleveland, OH 44115 www.fluidcontrolsinstitute.org

Revision

BSR/FCI 15-1-202x, Standard for Production Testing of Pressure Regulators (revision of ANSI/FCI 15-1-2015)

Stakeholders: Manufacturers, specifiers, inspectors, and users of pressure regulators.
Project Need: This standard establishes minimum guidelines for production testing of pressure regulators for use by manufacturers, specifiers, inspectors, and users to ensure testing of atmospheric leak tightness and seat leakage are completed at the factory before shipment.
This standard provides guidelines for documenting minimum production tests and determining pass/fail criteria for pressure regulators undergoing production tests in a manufacturing facility. It applies to most designs including self- and pilot-operated pressure-reducing regulators, differential-pressure regulators, pressure-loaded regulators, and regulators with or without internal relief valves.

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 www.ieee.org

Revision

BSR C63.9-202x, Standard for laboratory immunity testing of office equipment exposed to RF sources (revision of ANSI C63.9-2008 (R2014))

Stakeholders: EMC test laboratories, office equipment manufacturers, users of such office equipment, and test equipment manufacturers providing instrumentation for test setup and measurement.
Project Need: Office equipment is becoming ever increasingly exposed to a wide variety of common and ubiquitous RF sources from mobile phones to licensed transmitters. There is a need to determine the immunity of these devices to such sources and to do it in a controlled EMC test laboratory where measurements can be repeated and reproduced. It is time to identify how to test such products replicating what they are exposed to in an office environment.
This standard provides test methods for measuring the immunity of office equipment in a controlled EMC test lab environment. It will identify test equipment, test setups, and any special application of a signal exposing office equipment as it is installed.

NEMA (ASC C119) (National Electrical Manufacturers Association)

Contact: Paul Orr, (703) 477-9997, orrpaul@aol.com
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Revision

BSR C119.1-202x, Electric Connectors - Sealed Insulated Underground Connector Systems Rated 600 Volts (revision of ANSI C119.1-2016)

Stakeholders: Electric utilities, connector manufacturers, conductor manufacturers.
Project Need: Routine maintenance project
This standard covers sealed, insulated underground connector systems rated at 600 V for utility applications and establishes electrical, mechanical, and sealing requirements for sealed insulated underground connector systems.

NEMA (ASC C119) (National Electrical Manufacturers Association)

Contact: Paul Orr, (703) 477-9997, orrpaul@aol.com
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Revision

BSR C119.4-202x, Electric Connectors - Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C (revision of ANSI C119.4-2016)

Stakeholders: Utilities, connector manufacturers, conductor manufacturers.
Project Need: Routine maintenance
The standard covers electrical and mechanical requirements for connectors used in tests to establish performance characteristics of connectors used to join aluminum-to-aluminum, aluminum-to-copper, or copper-to-copper bare and insulated conductors.

RVIA (Recreational Vehicle Industry Association)

Contact: Kent Perkins, (703) 620-6003, kperkins@rvia.org
1899 Preston White Drive, Reston, VA 20191-4326 www.rvia.org

New Standard

BSR/RVIA RVEC-1-202x, Recommended Practice - Testing Requirements of Exterior Components for Recreational Vehicles (new standard)

Stakeholders: Recreational Vehicle (RV) manufacturers, RV component manufacturers and suppliers or assemblers of these products, RV dealers, RV distributors, RV transporters, and RV consumers (end users).
Project Need: The design, manufacture, assembly, and maintenance of vehicular components installed on recreational vehicles needs to be performed under controlled conditions and as part of a system of quality control practices. This Recommended Practice has been developed as a voluntary guideline to clarify and assist in the proper testing of exterior components. This Recommended Practice does not purport to state that any particular type of component or product should be used in any specific application or that any other particular practice, procedure, or methods will not achieve as good or better results, depending upon the particular circumstances involved, or will not be reasonably satisfactory for the type of operations the exterior component manufacturer performs, the type and volume of exterior components it produces, and other circumstances peculiar to its overall manufacturing and assembly processes.
This recommended practice provides uniform testing criteria and safety testing requirements of exterior components installed on recreational vehicles. The purpose of this recommended practice of laboratory test procedures is to provide minimum safety criteria, through uniform testing, of exterior components when installed and used on recreational vehicles. This recommended practice shall be applied to all new unused exterior components for recreational vehicles that have not been in use.

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)**

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.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AGMA
American Gear Manufacturers Association
1001 N Fairfax Street
5th Floor
Alexandria, VA 22314-1587
Phone: (703) 684-0211
Web: www.agma.org

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

ASA (ASC S1)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (516) 576-2341
Web: www.acousticalsociety.org

ASA (ASC S3)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (516) 576-2341
Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 757-1213
Web: https://www.asabe.org/

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

ASCE
American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
Phone: (703) 295-6176
Web: www.asce.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

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

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

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
Phone: (216) 241-7333
Web: www.fluidcontrolsinstitute.org

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

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (313) 550-2073
Web: www.hl7.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
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

IES
Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.org

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

NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 477-9997
Web: www.nema.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643
Web: www.nsf.org

RVIA
Recreational Vehicle Industry Association
1899 Preston White Drive
Reston, VA 20191-4326
Phone: (703) 620-6003
Web: www.rvia.org

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453
Web: www.tcnatile.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
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Phone: (919) 549-1851
Web: https://ul.org/

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 2171, Cereals, pulses and by-products - Determination of ash yield by incineration - 8/20/2020, $58.00

AIR QUALITY (TC 146)

ISO/DIS 16000-6, Indoor air - Part 6: Determination of organic compounds (VVOC, VOC, SVOC) in indoor and test chamber air by active sampling on sorbent tubes, thermal desorption and gas chromatography using MS or MS FID - 8/20/2020, $107.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO/DIS 23553-1, Safety and control devices for oil burners and oil-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic valves - 8/15/2020, $119.00

ERGONOMICS (TC 159)

ISO 11228-2/DAmd1, Ergonomics - Manual handling - Part 2: Pushing and pulling - Amendment 1 - 8/20/2020, $33.00

FINE CERAMICS (TC 206)

ISO/DIS 23331, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for total electrical conductivity of conductive fine ceramics - 8/21/2020, $46.00

FREIGHT CONTAINERS (TC 104)

ISO 6346/DAmd4, Freight containers - Coding, identification and marking - Amendment 4: ISO 6346 - Freight containers - Coding, identification and marking - Amendment 4 - 8/15/2020, $58.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 23247-1, Automation systems and integration - Digital Twin framework for manufacturing - Part 1: Overview and general principles - 8/20/2020, $58.00

ISO/DIS 23247-2, Automation systems and integration - Digital Twin framework for manufacturing - Part 2: Reference architecture - 8/20/2020, $58.00

ISO/DIS 23247-3, Automation systems and integration - Digital Twin framework for manufacturing - Part 3: Digital representation of manufacturing elements - 8/20/2020, $67.00

ISO/DIS 23247-4, Automation systems and integration - Digital Twin framework for manufacturing - Part 4: Information exchange - 8/20/2020, $77.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 23468, Determination of heavy water isotopic purity by Fourier Transform Infrared Spectroscopy - 8/15/2020, $67.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 638-1, Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content - Oven-drying method - Part 1: Materials in solid form - 8/17/2020, $58.00

PLAIN BEARINGS (TC 123)

ISO/DIS 14287, Plain bearings - Pad materials for tilting pad bearings - 8/17/2020, $53.00

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

ISO/DIS 22101-1, Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications - Part 1: General - 8/15/2020, $67.00

ISO/DIS 22101-2, Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications - Part 2: Pipes - 8/15/2020, $82.00

ROAD VEHICLES (TC 22)

ISO/DIS 21111-10, Road vehicles - In-vehicle Ethernet - Part 10: Application to network layer requirements and test plans - 8/14/2020, $291.00

STEEL (TC 17)

ISO/DIS 7788, Steel - Surface finish of hot-rolled plates and wide flats - Delivery requirements - 8/20/2020, $62.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37155-2, Framework for integration and operation of smart community infrastructures - Part 2: Holistic approach and the strategy for development, operation and maintenance of smart community infrastructures - 8/20/2020, $93.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 22737, Intelligent transport systems - Low-speed automated driving (LSAD) systems for predefined routes - Performance requirements, system requirements and performance test procedures - 8/14/2020, $112.00

ISO/DIS 14907-2, Electronic fee collection - Test procedures for user and fixed equipment - Part 2: Conformance test for the on-board unit application interface - 8/20/2020, $155.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 4136, Destructive tests on welds in metallic materials - Transverse tensile test - 8/14/2020, $53.00

ISO/DIS 17639, Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds - 8/15/2020, $46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10116/DAmd1, Information technology - Security techniques - Modes of operation for an n-bit block cipher - Amendment 1: CTR-ACPKM Mode of operation - 8/20/2020, $71.00

ISO/IEC 20008-2/DAmd1, Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key - Amendment 1: Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key - Amendment 1 - 8/15/2020, $29.00

ISO/IEC 23008-10/DAmd1, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 10: MPEG media transport forward error correction (FEC) codes - Amendment 1: Window-based FEC code - 8/17/2020, $40.00

ISO/IEC DIS 17982, Information technology - Telecommunications and information exchange between systems - Close Capacitive Coupling Communication Physical Layer (CCCC PHY) - 8/20/2020, $125.00

ISO/IEC DIS 15961-1, Information technology - Data protocol for radio frequency identification (RFID) for item management - Part 1: Application interface - 8/14/2020, $175.00

IEC Standards

1/2437/FDIS, IEC 60050-801/AMD2 ED2: Amendment 2 - International Electrotechnical Vocabulary (IEV) - Part 801: Acoustics and electroacoustics, 2020/7/10

2/1998(F)/FDIS, IEC 60034-18-42/AMD1 ED1: Amendment 1 - Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests, 2020/6/19

4/396/CDV, IEC 60545 ED2: Guideline for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps, 2020/8/21

15/921/CD, IEC 60684-2 ED4: Flexible insulating sleeving - Part 2: Methods of test, 2020/8/21

17A/1273(F)/FDIS, IEC 62271-104 ED3: High-voltage switchgear and controlgear - Part 104: Alternating current switches for rated voltages higher than 52 kV, 2020/6/19

29/1064/CD, IEC 60318-8 ED1: Electroacoustics - Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts, 2020/7/24

46C/1154/CD, IEC 62783-1-1 ED1: Twinax cables for digital communications - Part 1-1:Time domain test methods for Twinax cables for digital communications - General Requirements, 2020/8/21

47/2630(F)/FDIS, IEC 60749-15 ED3: Semiconductor devices - Mechanical and climatic test methods - Part 15: Resistance to soldering temperature for through-hole mounted devices, 2020/6/19

47/2635/NP, PNW 47-2635: Semiconductor devices - Guidelines for reliability qualification plans - Part 2: Concept of Mission profile, 2020/8/21

47/2634/FDIS, IEC 60749-20 ED3: Semiconductor devices - Mechanical and climatic test methods - Part 20: Resistance of plastic encapsulated SMDs to the combined effect of moisture and soldering heat, 2020/7/10

47E/710/CD, IEC TR 60747-5-12 ED1: Semiconductor devices - Part 5 -12: Optoelectronic devices - Light emitting diodes - Test method of LED efficiencies, 2020/8/21

57/2231/DC, IEC 61850-90-20 - Communication networks and systems for power utility automation - Part 90-20: Guideline to redundancy systems, 2020/7/24

57/2215/CDV, IEC 61850-5/AMD1 ED2: Amendment 1 - Communication networks and systems for power utility automation - Part 5: Communication requirements for functions and device models, 2020/8/21

57/2230/DC, Proposed revision of IEC TS 62361-102 Edition 1: Interoperability in the long term - Part 102: CIM - IEC 61850 harmonization, 2020/7/10

57/2223/FDIS, IEC 61968-5 ED1: Application integration at electric utilities - System interfaces for distribution management - Part 5: Distributed energy optimization, 2020/7/10

59/730(F)/FDIS, IEC 63252 ED1: Energy consumption of vending machines, 2020/6/12

59F/399/FDIS, IEC 60704-2-1 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for dry vacuum cleaners, 2020/7/10

61/6056/CD, IEC 60335-2-119 ED1: Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for vacuum packaging machines, 2020/8/21

62D/1768/NP, PNW 62D-1768: Test methods for walking RACA Robot, 2020/8/21

64/2449/CD, IEC TR 60479-5 ED2: Effects of current on human beings and livestock - Part 5: Touch voltage threshold values for physiological effects, 2020/7/24

64/2450/CD, IEC 60479-2 ED2: Effects of current on human beings and livestock - Part 2: Special aspects, 2020/7/24

65E/729/CD, IEC 62714-5 ED1: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication, 2020/8/21

80/963/CD, IEC 62288 ED3: Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results, 2020/7/24

85/721/CDV, IEC 62586-2/AMD1 ED2: Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements, 2020/8/21

86B/4304/CD, IEC TR 63323 ED1: Fibre optic interconnecting devices and passive components - A study of an SC connector adaptor with safety lock mechanism, 2020/8/21

86B/4300/FDIS, IEC 61300-2-56 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-56: Test - Wind resistance of mounted housing, 2020/7/10

88/769/DC, Proposed technical corrigendum to IEC 61400-6:2020 ED 1.0, Wind energy generation systems - Part 6: Tower and foundation design requirements, 2020/7/10

90/457/CDV, IEC 61788-23 ED2: Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade niobium superconductors, 2020/8/21

105/800/CD, IEC 62282-4-600 ED1: Part 4-600: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Fuel cell and battery hybrid power pack systems performance test methods for excavators, 2020/8/21

110/1209/CD, IEC 62977-3-9 ED1: Electronic displays - Part 3-9: Evaluation of optical performances - Measurements of display sparkle contrast, 2020/8/21

110/1208/NP, PNW 110-1208 ED1: Flexible display devices - Part 6-6: Bending stiffness measurement methods, 2020/7/24

111/576/CDV, IEC 62321-2 ED2: Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation, 2020/8/21

117/121/NP, PNW 117-121: Thermal insulation for solar thermal electric plants, 2020/8/21

CIS/F/796/FDIS, CISPR 14-1 ED7: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission, 2020/7/10

JTC1-SC41/163/FDIS, ISO/IEC 30144 ED1: Internet of Things (IoT) - Wireless sensor network system supporting electrical power substation, 2020/7/24

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 24028:2020, Information technology - Artificial intelligence - Overview of trustworthiness in artificial intelligence, $185.00

ISO/IEC TR 30164:2020, Internet of things (IoT) - Edge computing, $185.00

ISO/IEC TR 30166:2020, Internet of things (IoT) - Industrial IoT, $232.00

ISO/IEC TR 23091-4:2020, Information technology - Coding-independent code points - Part 4: Usage of video signal type code points, $138.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 11036:2020, Sensory analysis - Methodology - Texture profile, $103.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 21384-4:2020, Unmanned aircraft systems - Part 4: Vocabulary, $45.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 7870-3:2020, Control charts - Part 3: Acceptance control charts, $138.00

CAST IRON AND PIG IRON (TC 25)

ISO 185:2020, Grey cast irons - Classification, $162.00

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

ISO 21151:2020, In vitro diagnostic medical devices - Requirements for international harmonisation protocols establishing metrological traceability of values assigned to calibrators and human samples, $138.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO 11844-1:2020, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 1: Determination and estimation of indoor corrosivity, $138.00

ISO 11844-2:2020, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 2: Determination of corrosion attack in indoor atmospheres, $103.00

ERGONOMICS (TC 159)

ISO 9241-110:2020, Ergonomics of human-system interaction - Part 110: Interaction principles, $162.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO 16134:2020, Earthquake-resistant and subsidence-resistant design of ductile iron pipelines, $185.00

FLOOR COVERINGS (TC 219)

ISO 12951:2020, Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine, $103.00

GAS CYLINDERS (TC 58)

ISO 11114-1:2020, Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials, $185.00

GEOSYNTHETICS (TC 221)

ISO 12960:2020, Geotextiles and geotextile-related products - Screening test methods for determining the resistance to acid and alkaline liquids, $45.00

INDIRECT, TEMPERATURE-CONTROLLED REFRIGERATED DELIVERY SERVICES – LAND TRANSPORT OF PARCELS WITH INTERMEDIATE TRANSFER (TC 315)

ISO 23412:2020, Indirect, temperature-controlled refrigerated delivery services - Land transport of parcels with intermediate transfer, $162.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 19440:2020, Enterprise modelling and architecture - Constructs for enterprise modelling, $232.00

INDUSTRIAL TRUCKS (TC 110)

ISO 23676:2020, Rough-terrain trucks - Operator training - Content and methods, $68.00

ISO 23308-1:2020, Energy efficiency of industrial trucks - Test methods - Part 1: General, $138.00

ISO 23308-2:2020, Energy efficiency of industrial trucks - Test methods - Part 2: Operator controlled self propelled trucks, towing and burden carrier trucks, $68.00

ISO 23308-3:2020, Energy efficiency of industrial trucks - Test methods - Part 3: Container handling lift trucks, $45.00

MECHANICAL TESTING OF METALS (TC 164)

ISO 17340:2020, Metallic materials - Ductility testing - High speed compression test for porous and cellular metals, $103.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 22680:2020, Metallic and other inorganic coatings - Measurement of the linear thermal expansion coefficient of thermal barrier coatings, $68.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 22531:2020, Optics and photonics - Optical materials and components - Test method for climate resistance of optical glass, $103.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 12925-1/Amd1:2020, Lubricants, industrial oils and related products (class L) - Family C (gears) - Part 1: Specifications for lubricants for enclosed gear systems - Amendment 1: Pour point, according to ISO 3016, of categories CKTG, CKES, CKPG and CKPR - Change of limits, $19.00

PLASTICS (TC 61)

ISO 24022-2:2020, Plastics - Polystyrene (PS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, $68.00

ISO 24026-1:2020, Plastics - Poly(methyl methacrylate) (PMMA) moulding and extrusion materials - Part 1: Designation system and basis for specifications, $45.00

ISO 24026-2:2020, Plastics - Poly(methyl methacrylate) (PMMA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, $68.00

RISK MANAGEMENT (TC 262)

ISO 31022:2020, Risk management - Guidelines for the management of legal risk, $162.00

ROAD VEHICLES (TC 22)

ISO 2534:2020, Road vehicles - Engine test code - Gross power, $162.00

ISO 12098:2020, Road vehicles - Connectors for the electrical connection of towing and towed vehicles - 15-pole connector for vehicles with 24 V nominal supply voltage, $68.00

ISO 8820-11:2020, Road vehicles - Fuse-links - Part 11: Fuse-links with tabs (blade type) Type M (medium-high current), $68.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4660:2020, Rubber, raw natural - Colour index test, $68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 29400:2020, Ships and marine technology - Offshore wind energy - Port and marine operations, $232.00

STEEL (TC 17)

ISO 10893-1/Amd1:2020, Non-destructive testing of steel tubes - Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of hydraulic leaktightness - Amendment 1: Change of dimensions of the reference notch; change acceptance criteria, $19.00

ISO 10893-9/Amd1:2020, Non-destructive testing of steel tubes - Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded steel tubes - Amendment 1: Change acceptance criteria, $19.00

ISO 10893-12/Amd1:2020, Non-destructive testing of steel tubes - Part 12: Automated full peripheral ultrasonic thickness testing of seamless and welded (except submerged arc-welded) steel tubes - Amendment 1: Change of acceptance criteria, $19.00

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

ISO 128-1:2020, Technical product documentation (TPD) - General principles of representation - Part 1: Introduction and fundamental requirements, $45.00

ISO 128-100:2020, Technical product documentation - General principles of representation - Part 100: Index, $68.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 24617-7:2020, Language resource management - Semantic annotation framework - Part 7: Spatial information, $162.00

TEXTILES (TC 38)

ISO 1833-29:2020, Textiles - Quantitative chemical analysis - Part 29: Mixtures of polyamide with polypropylene/polyamide bicomponent (method using sulfuric acid), $45.00

ISO 22744-1:2020, Textiles and textile products - Determination of organotin compounds - Part 1: Derivatisation method using gas chromatography, $103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 22418:2020, Intelligent transport systems - Fast service announcement protocol (FSAP) for general purposes in ITS, $209.00

WATER QUALITY (TC 147)

ISO 10872:2020, Water and soil quality - Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of Caenorhabditis elegans (Nematoda), $138.00

ISO Technical Reports

BIOTECHNOLOGY (TC 276)

ISO/TR 22758:2020, Biotechnology - Biobanking - Implementation guide for ISO 20387, $138.00

SMALL CRAFT (TC 188)

ISO/TR 10134:2020, Small craft - Electrical devices - Established practices for the design, construction and installation of lightning-protection systems, $68.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 7816-4:2020, Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange, $232.00

ISO/IEC 18477-1:2020, Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification, $103.00

ISO/IEC 18477-8:2020, Information technology - Scalable compression and coding of continuous-tone still images - Part 8: Lossless and near-lossless coding, $209.00

ISO/IEC 21823-2:2020, Internet of things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability, $103.00

ISO/IEC 29199-2:2020, Information technology - JPEG XR image coding system - Part 2: Image coding specification, $232.00

ISO/IEC 15944-12:2020, Information technology - Business operational view - Part 12: Privacy protection requirements (PPR) on information life cycle management (ILCM) and EDI of personal information (PI), $232.00

ISO/IEC 11801-9908:2020, Information technology - Generic cabling systems for customer premises - Part 9908: Title missing, $103.00

ISO/IEC TS 29125/Amd1:2020, Information technology - Telecommunications cabling requirements for remote powering of terminal equipment - Amendment 1, $19.00

ISO/IEC TS 33074:2020, Information technology - Process assessment - Process capability assessment model for service management, $232.00

OTHER

ISO/IEC 17000:2020, Conformity assessment - Vocabulary and general principles, $45.00

IEC Standards

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

IEC 60436 Amd.1 Ed. 4.0 b:2020, Amendment 1 - Electric dishwashers for household use - Methods for measuring the performance, $235.00

Registration of Organization Names in the United States

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

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

Southern California Edison (SCE)

Public Review Ends: August 28, 2020

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; 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.

ANSI Accredited Standards Developers

Approval of Reaccreditation

American Brush Manufacturers Association (ABMA)

The reaccreditation of the American Brush Manufacturers Association (ABMA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ABMA-sponsored American National Standards, effective June 3, 2020. For additional information, please contact: Mr. David Parr, Executive Director, American Brush Manufacturers Association, 736 Main Avenue Suite 7, Durango, CO 81301-5479; phone: 720.392.2262; e-mail: dparr@silvacor.com.

Emergency Management Accreditation Program (EMAP)

The reaccreditation of the Emergency Management Accreditation Program (EMAP), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on EMAP-sponsored American National Standards, effective June 3, 2020. For additional information, please contact: Ms. Christine Y. Walsh, Assistant Director, Emergency Management Accreditation Program, 201 Park Washington Court, Falls Church, VA 22046; phone: 859.494.0917; e-mail: cwalsh@asmii.net.

X12 Incorporated

The reaccreditation of X12 Incorporated, an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on X12, Inc.-sponsored American National Standards, effective June 1, 2020. For additional information, please contact: Ms. Cathy Sheppard, Executive Director, X12 Incoporated, 24654 N. Lake Pleasant Parkway, Suite 103 #275, Peoria, AZ 85383; phone: 602.295.0285; e-mail: csheppard@X12.org.

Revised Operating Procedures

National Electrical Manufacturers Association (NEMA)

Comment Deadline: July 6, 2020

The National Electrical Manufacturers Association (NEMA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on NEMA-sponsored American National Standards. The current revision represents a consolidation of NEMA's canvass process procedures and the procedures of all of NEMA's currently sponsored Accredited Standards Committees into one set of accredited procedures for use by NEMA and all of its currently sponsored ASCs (Please visit www.ansi.org/asds for a complete listing of NEMA's ASCs). As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Megan Hayes, Technical Director, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Arlington, VA 22209; phone: 703.841.3236; e-mail: Megan.Hayes@nema.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to NEMA by July 6, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

U.S. Technical Advisory Groups

Approval of TAG Accreditation

U.S. Technical Advisory Group to ISO TC 44/ SC 15 – Underwater Welding

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 44/SC 15, Underwater welding and the appointment of the American Welding Society (AWS) as TAG Administrator, effective June 1, 2020. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Mr. Andrew Davis, Director, International Activities, American Welding Society, 8669 NW 36th Street #130, Miami, FL 33166; phone: (305) 443-9353, Ext. 466; e-mail: adavis@aws.org.

Information Concerning

Notice of ITI (INCITS) Standards to Continue as American National Standards (ANS) under Stabilized Maintenance

This announcement is made in accordance with 4.7.3, Stabilized maintenance of American National Standards, of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

InterNational Committee for Information Technology Standards

INCITS Secretariat, (202) 737-8888, comments@standards.incits.org

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

On May 21, 2020, the INCITS Executive Board completed their approval for the 10-year stabilized maintenance action for the standards listed below. It has been determined with this approval that these standards that were stabilized in 2010, shall continue to be maintained under the stabilized maintenance option.

INCITS 18-1974 [S2020], *Punched paper tape – Dimensions and location of feed holes and code holes*

INCITS 19-1974 [S2020], *Eleven-Sixteenths Inch Perforated Paper Tape for Information Interchange*

INCITS 20-1967 [S2020], *Take-up Reels for One Inch Perforated Tape for Information Interchange*

INCITS 29-1971 [S2020], *Specifications for Properties of Unpunched Oiled Paper Perforator Tape*

INCITS 34-1972 [S2020], *Interchange Rolls of Perforated Tape for Information Interchange*

INCITS 100-1989 [S2020], *Interface Between DTE & DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25)*

INCITS 100a-1991 [S2020], *Information Systems – Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum*

INCITS 124.3-1989 [S2020], *Information technology – Computer Graphics – Graphical Kernel System (GKS), Ada Binding*

INCITS 166-1989 [S2020], *Fiber Distributed Data Interface (FDDI) Physical Layer, Medium Dependent (PMD)*

INCITS 171-1989 [S2020], *One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpmm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use – General, Physical and Magnetic Requirements*

INCITS 178-1990 [S2020], *Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services*

INCITS 178a-1991 [S2020], *Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services – Addendum*

INCITS 235-1995 [S2020], *Unrecorded Magnetic Tape Cartridge for Information Interchange – 0.25 (6.30 mm), 10000 - 12500 ftpi, (394 - 492 ftpmm) Coercivity 550 oersteds (44000 amperes/meter) (Types 6150, 6250, 6037)*

INCITS 244-1995 [S2020], *Information Technology – Test Methods for Media Characteristics – 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS)*

INCITS 249-1995 [S2020], *Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10 000 - 14 700 ftpi (394 579 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120)*

INCITS 251-1995 [S2020], *Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 ftpi (787 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081)*

INCITS 262-1995 [S2020], *Protocol Implementation Conformance Statement Proforma for FDDI (FDDI CT-PICS)*

INCITS 263-1995 [S2020], *Fiber Distributed Data interface (FDDI) Twisted Pair – Physical Medium Dependent (TP-PMD)*

INCITS/ISO/IEC 8632-1:1999 [S2020], *Information Technology – Computer Graphics – Metafile for the Storage and Transfer of Picture Description Information – Part 1: Functional Specification*

INCITS/ISO/IEC 8632-3:1999 [S2020], *Information Technology – Computer Graphics – Metafile for the Storage and Transfer of Picture Description Information – Part 3: Binary Encoding*

INCITS/ISO/IEC 8632-4:1999 [S2020], *Information Technology – Computer Graphics – Metafile for the Storage and Transfer of Picture Description Information – Part 4: Clear Text Encoding*

INCITS/ISO/IEC 9638-3:1994 [S2020], *Computer Graphics – Computer Graphics Interface (CGI) – Part 3: ADA*

INCITS/ISO/IEC 10279:1991 [S2020], *Information technology – Programming languages – Full BASIC*

INCITS/ISO/IEC 12087-1:1995 [S2020], *Information Technology – Computer Graphics and Image Processing – Image Processing and Interchange (IPI) – Functional Specification – Part 1: Common Architecture for Imaging*

INCITS/ISO/IEC 15486:1998 [S2020], *Information Technology – Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects – Capacity: 2,6 Gbytes per Cartridge*

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- *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
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BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 147-2019

Public Review Draft

Proposed Addendum a to Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems

First Public Review (June 2020)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum makes additions to ***Section 9.2 Refrigerant Transfer, Transport, and Storage.*** *These changes address the safe storage of flammable refrigerants and adds NFPA 55 and IFC-ICC Chapter 58 to the normative references.*

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

Addendum a to Standard 147-2019

Revise Section 9.2* Refrigerant Transfer, Transport, and Storage *to include the addition as shown below.

9.2.3.1 Storage of Flammable Refrigerants. Storage of Class 2L, 2, and 3 refrigerants shall comply with NFPA 55, *Compressed Gases and Cryogenic Fluids Code*, and IFC Chapter 58, *Flammable Gases and Flammable Cryogenic Fluids*.

Revise Normative References to include the additions as shown below.

11. NORMATIVE REFERENCES

References required for compliance with this standard are listed below. Informative references are listed in Annex C.

1. UL. 2015. UL 1995, *Heating and Cooling Equipment*, 5th Edition. Northbrook, IL: Underwriters Laboratories.

2. ASHRAE. 2019. ANSI/ASHRAE Standard 15, *Safety Standard for Refrigeration Systems*. Atlanta: ASHRAE.

3. UL. 2011. UL60335-2-40, *Household and Similar Electrical Appliances—Safety—Part 2- 40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidi- fiers*. Northbrook, IL: Underwriters Laboratories.

4. UL 2017. UL60335-2-89, *Household and Similar Electrical Appliances—Safety—Part 2- 89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor*. Northbrook, IL: Underwriters Laboratories.

5. AHRI. 2014. AHRI 580, *Performance Rating of Non-Condensable Gas Purge Equipment for Use with Low Pressure Centrifugal Liquid Chillers*. Arlington, VA: Air-Condi- tioning, Heating and Refrigeration Institute.

6. ASTM. 2015. ASTM D642, *Standard Test Method for Determining Compressive Resis- tance of Shipping Containers, Components, and Unit Loads*. West Conshohocken, PA: ASTM International.

7. ASTM. 2019. ASTM D4577, *Standard Test Method for Compression Resistance of a Con- tainer Under Constant Load*. West Conshohocken, PA: ASTM International.

8. ASTM. 2015. ASTM D999, *Standard Test Methods for Vibration Testing of Shipping Con- tainers*. West Conshohocken, PA: ASTM International.

9. ASTM. 2017. ASTM D4728, Standard Test Method for Random Vibration Testing of Shipping Containers. West Conshohocken, PA: ASTM International 10. ASTM D880-1992 *(R 2015)*, *Standard Test Method for Impact Testing for Shipping Containers and Systems*. West Conshohocken, Pa.

10. ASTM. 2019. ASTM D6055, *Standard Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates*. West Conshohocken, PA: ASTM Inter- national.

11. ASTM. 2014. ASTM D6179, *Standard Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates*. West Conshohocken, PA: ASTM Inter- national.

12. ASTM. 2015. ASTM D880, *Standard Test Method for Impact Testing for Shipping Con- tainers and Systems*. West Conshohocken, PA: ASTM International.

13. ASTM. 2019. ASTM D5276, *Standard Test Method for Drop Test of Loaded Containers by Free Fall*. West Conshohocken, PA: ASTM International.

14. ASHRAE. 2019. ANSI/ASHRAE Standard 34, *Designation and Safety Classification of Refrigerants*. Atlanta: ASHRAE.

15. GPO. 2004. *U.S. Code of Federal Regulations*. Title 40, Part 82, Subpart F, "Protection of stratospheric ozone." Washington, DC: U.S. Government Publishing Office.

16. ACCA. 2019. ANSI/ACCA 4QM, *Maintenance of Residential HVAC Systems*. Washing- ton, DC: Air Conditioning Contractors of America.

17. ASHRAE. 2018. ANSI/ASHRAE/ACCA Standard 180, *Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems*. Atlanta: ASHRAE.

18. GPO. n.d. *U.S. Code of Federal Regulations*, Title 49, Part 178, Subpart C, "Specifications for packagings." Washington, DC: U.S. Government Publishing Office.

19. AHRI. 2015. AHRI Guideline K, *Containers for Recovered Non-Flammable Fluorocarbon Refrigerants*. Arlington, VA: Air-Conditioning, Heating, and Refrigeration Institute.

20. NFPA 55. *Compressed Gasses and Cryogenic Fluids Code*. Quincy, MA: National Fire Protection Association.

21. IFC. 2018. IFC-ICC Chapter 58 *Flammable Gases and Flammable Cryogenic Fluids*. Washington, DC: International Code Council.

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 147-2019

Public Review Draft

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FOREWORD

This addendum makes additions to **Section 7.1.2, Major Considerations** and **8.1.6, Repairs**. The purpose of the changes is to address the proper means and methods for repairing refrigeration systems.

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

Addendum b to Standard 147-2019

Revise Section 7.1.2.2 under Section 7.1.2 Major Considerations to include the addition as shown below.

7.1.2.2 All tubes and fittings shall be thoroughly cleaned prior to assembly. Both the outside of copper tube and the inside of fittings must be bright and clean before brazing. Braze filler metal selection shall be consistent with the types of materials being joined. Solder filler material with a melting point less than 800ºF (426ºC) shall not be used with copper to copper or copper to steel joints. Solder filler material with a melting point less than 715ºF (379ºC) shall not be used with copper to aluminum or aluminum to aluminum joints.

Under Section 8.1.6 Repairs, add Sections 8.1.6.1 Ferrule Type Compression Fittings and 8.1.6.2 Solder Filler Material as shown below.

8.1.6.1 Ferrule Type Compression Fittings. Ferrule type compression fittings shall not be used for field repair.

8.1.6.2 Solder Filler Material. Solder filler material with a melting point less than 800ºF (426ºC) shall not be used with copper to copper or copper to steel joints. Solder filler material with a melting point less than 715ºF (379ºC) shall not be used with copper to aluminum or aluminum to aluminum joints.

Public Review Draft

Proposed Addendum be to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review Draft (June 2020)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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Foreword

This proposal modifies Addendum be to provide clarity to the indoor lighting quality occupancy requirement.

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous public review draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum be to 189.1-2017

Revise Section 8.3.5 as follows:

8.3.5 Indoor Lighting Quality. Lighting in *spaces* where one or more occupants are expected to be continuously present for a period of at least one hour per workday ~~regularly occupied for more than an hour per day by at least one person~~ shall comply with all the following requirements:

…

Public Review Draft

Proposed Addendum bf to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

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Foreword

This proposal modifies Addendum bf to address comments regarding spaces without scheduled occupancy and conflicts with Standard 90.1.

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous public review draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum bf to 189.1-2017

Revise Section 8.3.1.10 as follows:

8.3.1.10 Preoccupancy Ventilation Control. Ventilation systems shall have controls designed to provide *outdoor air* to the zones, prior to their scheduled occupancy, where the zones served by the ventilation system have been unoccupied for 24 hours or longer. ~~For zones without scheduled occupancy, the preoccupancy ventilation controls shall provide *outdoor air* to the zone within 24 hours of the last time *outdoor air* was provided to the zone.~~ This preoccupancy ventilation shall be provided continuously at the zone design *minimum outdoor airflow* for a period of one hour prior to the expected occupancy, or at an *outdoor air* rate and for a time period that provides the same number of air changes as the design *minimum outdoor airflow* for one hour. ~~The requirements for preoccupancy ventilation control duration and *outdoor air* rate supersede any conflicting requirement in ANSI/ASHRAE/IES Standard 90.1.~~ The required combination of ventilation duration and airflow to the zone to accomplish preoccupancy ventilation shall not be modified in response to: sensed occupancy, *demand control ventilation (DCV)* controls, or preoccupancy building warm-up, cooldown or setback.

Exceptions to 8.3.1.10:

1. Zones that are continuously occupied
2. Hotel and motel guest rooms subject to *automatic* control of HVAC and lighting as required in Sections 7 and 8.

Public Review Draft

Proposed Addendum bg to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

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Foreword

This addendum reflects changes to Chapters 7 and 8 necessary because of updates that occurred in the referenced standard ASHRAE 62.1-2019.

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Addendum bg to 189.1-2017

Revise Section 8 as follows:

8.3.1.3 Filtration and Air Cleaner Requirements

…

b. [JO] Outdoor air ozone removal. Air cleaning devices for ozone shall be provided for buildings located in an area that is designated "non-attainment" for ozone by the US EPA, or located in an area that does not comply with applicable ambient air quality standards for ozone as determined by the *authority having jurisdiction* (*AHJ*). Such air cleaning devices shall have an ozone removal efficiency of not less than 40% where installed, operated, and maintained in accordance with the manufacturer's recommendations, and shall ~~be installed in all *outdoor air* intakes~~ treat all *outdoor air* intake flow. This requirement supersedes the requirements of ASHRAE Standard 62.1, Section 6.1.4.3. This requirement applies to all buildings, including health care facilities covered by ASHRAE/ASHE Standard 170.

Exceptions to 8.3.1.3b:

1. ~~The system design~~ Systems designed with an *outdoor air* intake flow ~~is~~ of 1.5 air change per hour or less.
2. Where controls ~~Controls~~ are provided that sense outdoor ozone level and reduce intake airflow to 1.5 air change per hour or less while complying with the outdoor airflow requirements of Section 8.3.1.1.
3. *Outdoor air* ~~is~~ brought into the building and heated by direct-fired ~~makeup air~~*makeup air* units.

Public Review Draft

Proposed Addendum bn to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

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Foreword

This ISC modifies Addendum bn to clarify the type of devices covered by this provision.

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Addendum bn to 189.1-2017

Revise Section 8.3.1.3 as follows:

d. Ozone Emissions. The requirements in this section supersede the requirements in ASHRAE Standard 62.1, Sections 5.7.1 and 5.7.2. Air cleaning devices with electronic filter elements that rely on ionization or corona discharge shall be *listed* and *labeled* in accordance with UL 2998. Ultraviolet generating devices in supply air devices, ducts and plenums shall not emit 185 nm wavelengths.

Public Review Draft

Proposed Addendum bt to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

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Foreword

This proposal aligns the Standard 189.1 occupancy sensor maximum time delay requirements in hotel/motel guestrooms with similar requirements in ASHRAE 90.1 Recent changes to ASHRAE 90.1-2019 have resulted in a 20 minute time delay by occupancy sensors for the control of HVAC and Ventilation [§6.4.3.3.5] and control of lighting [§9.4.1.3(b)]. This change reduces the current Standard 189.1 time delay from 30 minutes to 20 minutes, which saves more energy as lights and HVAC setpoints and ventilation will turn off sooner after the guest room has been vacated. This change will not affect the amenity of the space as the environmental changes will occur while the guest room is unoccupied.

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

Addendum bt to 189.1-2017

Revise Section 7.4.3.9 as follows:

7.4.3.9 Automatic Control of HVAC and Lights in Hotel/Motel Guest Rooms. ~~In~~ Where hotels and motels ~~with~~ have over 50 guest rooms, *automatic controls* for the lighting, switched outlets, television, and HVAC equipment serving each guest room shall be configured according to the following requirements. Captive keycard systems shall not be used to comply with this section.

7.4.3.9.1 Lighting and Switched Outlet Control. Within ~~30~~ 20 minutes of all occupants leaving the guest room, power for lighting and switched outlets shall be automatically turned off.

7.4.3.9.2 Television Control. Within ~~30~~ 20 minutes of all occupants leaving the guest room, televisions shall be automatically turned off or placed in sleep or standby mode.

7.4.3.9.3 HVAC Set-Point Control. Within ~~30~~ 20 minutes of all occupants leaving the guest room, HVAC set points shall be automatically raised by at least 5°F (3°C) from the occupant set point in the cooling mode and automatically lowered by at least 5°F (3°C) from the occupant set point in the heating mode. When the guest room is unrented and unoccupied, HVAC set points shall be automatically reset to 80°F (27°C) or higher in the cooling mode and to 60°F

(16°C) or lower in the heating mode. Unrented and unoccupied guest rooms shall be determined by either of the following criteria:

a. The guest room has been continuously unoccupied for up to 16 hours.
b. A *networked guest-room control system* indicates the guest room is unrented and the guest room is unoccupied for no more than ~~30~~ 20 minutes.

Exceptions to 7.4.3.9.3:

1. A *networked guest-room control system* may return the thermostat set points to their default set points 60 minutes prior to the time the room is scheduled to be occupied.
2. Cooling for humidity control shall be permitted during unoccupied periods.

7.4.3.9.4 Ventilation Control. Within ~~30~~ 20 minutes of all occupants leaving the guest room, ventilation and exhaust fans shall be automatically turned off, or *isolation devices* serving each guest room shall automatically shut off the supply of *outdoor air* to the room and shut off exhaust air from the guest room. In conjunction with the *automatic* ventilation shutoff, an *automatic* preoccupancy purge cycle shall provide *outdoor air* ventilation as specified in Section ~~8.3.1.6.~~8.3.1.9.

~~**7.4.3.9.5 Automatic Control.** Captive keycard systems shall not be used to comply with Section 7.4.3.9.~~

Note to reviewers:

Addendum ad, published on the ASHRAE website, deleted a section within Section 7.4.3 and changed the subsequent section numbers including those above.

Public Review Draft

Proposed Addendum bu to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (June 2020)
(Draft Shows Proposed Changes to Current Standard)

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

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

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

BSR/ASHRAE/ICC/USGBC/IES Addendum bu to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft**.**

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Foreword

This proposal aligns Standard 189.1 with recent changes to ASHRAE Standard 90.1, in which the terms "energy recovery effectiveness" and "sensible heat recovery effectiveness" were replaced with "enthalpy recovery ratio" and "sensible energy recovery ratio", respectively. These terms are typically used in product specifications per industry standards (ASHRAE Standard 85 and AHRI Standard 1060) for the performance certification of such devices.

This proposal also aligns Standard 189.1 with recent section number changes in ASHRAE Standard 90.1. It does not impact the stringency of the energy efficiency requirements.

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Addendum bu to 189.1-2017

Add the following to Section 3.2 Definitions as follows:

design conditions: see ANSI/ASHRAE/IES Standard 90.1.

enthalpy recovery ratio: see ANSI/ASHRAE/IES Standard 90.1.

sensible energy recovery ratio: see ANSI/ASHRAE/IES Standard 90.1.

Revise Section 7.4.3.7 as follows:

7.4.3.7 [JO] Exhaust Air Energy Recovery. The exhaust air energy recovery requirements defined in ANSI/ASHRAE/IES Standard 90.1, Section 6.5.6.1.2, including the requirements in Tables 6.5.6.1.2-1 and 6.5.6.1.2-2, shall be used except that the ~~energy recovery effectiveness~~ *enthalpy recovery ratio* shall not be less than 60%, superseding the 50% ~~effectiveness~~ *enthalpy recovery ratio* requirement in ANSI/ ASHRAE/IES Standard 90.1, Section 6.5.6.1.2.

…

7.4.3.8.2 [JO] Kitchen/dining facilities with total kitchen hood exhaust airflow rate greater than 2000 cfm (950

L/s) shall comply with at least one of the following:

...

c. *Listed* energy recovery devices with a ~~sensible heat recovery effectiveness~~ *sensible energy recovery ratio* of not less than 40% shall be applied on at least 50% of the total exhaust airflow. A 40% *sensible energy recovery ratio* shall mean a change in the dry-bulb temperature of the outdoor air supply equal to 40% of the difference between the outdoor air and entering exhaust air dry-bulb temperatures at *design conditions*.

Note to reviewers:

Addendum p, published on the ASHRAE website, made the two sections above jurisdictional options [JO].

Addendum ar, which has completed public review and is awaiting approval for publication, added the definition of "listed" below, and the term is italicized in 7.4.3.7(c) above. This definition is not open for public review.

listed: Equipment, materials, products or services included in a list published by an *approved* organization and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose.

UL 508A, Standard for Safety for Industrial Control Panels

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 peak, or 60 volts ~~V~~dc 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 4248-19, Standard for Fuseholders - Part 19: Photovoltaic Fuseholders

1. Change of Ambient Temperature to 50C

PROPOSAL

Proposed change to Table 1, footnote “c”:

[c] Based on 50°C correction factor of Table 310.15(B)(2)(a) of the ampacities of Table 310.15(B)(16) of the National Electrical Code, NFPA 70, and the 50°C correction factor of Table 5A of the Canadian Electrical Code, CSA C22.1.

BSR/UL 399, Standard For Safety for Drinking-Water Coolers

1. **Proposed Revision to Replace the References to the Standard For Power Conversion Equipment, UL 508C, With Reference to the Standard For Adjustable Speed Electric Power Drive Systems, UL 61800-5-1**

PROPOSAL

21.23 Except as specified in 21.24, an operating control, including of the electronic type, shall comply with one of the following:

a) One of the Standards specified in 21.13 (b) - (f);

b) The requirements in this Standard as far as they reasonably apply; or

c) One of the following standards:

1) Standard for Solid-State Controls for Appliances, UL 244A;

2) Standard for ~~Power Conversion Equipment, UL 508C~~ Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1; or

3) Standard for Clock-Operated Switches, UL 917.