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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: January 12, 2020

### UL (Underwriters Laboratories, Inc.)

#### *Revision*

BSR/UL 763-202x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2018)

This proposal for UL 763 covers: (3) Grounding Continuity Test.

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

Send comments (with optional copy to [psa@ansi.org](mailto: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: January 27, 2020

### AAFS (American Academy of Forensic Sciences)

#### *New Standard*

BSR/ASB BPR 114-202x, Best Practice Recommendation for Validation of Forensic DNA Software (new standard)

This best practice recommendation assists a laboratory in designing validation studies to evaluate the various software programs used in the forensic DNA laboratory. Specifically, this guidance document applies to, but is not limited to the following: (a) Software used as a component, part, or accessory of instrumentation; (b) software that impacts chain of custody documentation; (c) software that impacts the decision process and/or influences conclusions or reporting; and (d) software created by the laboratory to assist with calculations and/or data transfers. This document does not cover probabilistic genotyping.

Single copy price: Free

Obtain an electronic copy from: Document will be provided electronically on ASB website: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>

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

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [asb@aaafs.org](mailto:asb@aaafs.org). Document and comments template can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//>

### ASME (American Society of Mechanical Engineers)

#### *Revision*

BSR/ASME BPVC Section VIII-202x, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2019)

This section contains mandatory requirements, specific prohibitions, and nonmandatory guidance for pressure vessel materials, design, fabrication, examination, inspection, testing, certification, and pressure relief. The Code does not address all aspects of these activities, and those aspects which are not specifically addressed should not be considered prohibited.

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Order from: Terrell Henry, (212) 591-8489, [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Steven Rossi, (212) 591-8460, [rossis@asme.org](mailto:rossis@asme.org)

### AWS (American Welding Society)

#### *Revision*

BSR/AASHTO/AWS D1.5M/D1.5-202x, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1)

This code covers the welding requirements for AASHTO welded highway bridges made from carbon and low-alloy constructional steels. This 2020 edition contains dimensions in metric SI Units and U.S. Customary Units. Clauses 3 through 9 constitute a body of rules for the regulation of welding in steel construction.

Single copy price: \$440.00 (Non-Members); \$330.00 (AASHTO Members)

Obtain an electronic copy from: [pportela@aws.org](mailto:pportela@aws.org)

Order from: Peter Portela, (800) 443-9353, [pportela@aws.org](mailto:pportela@aws.org)

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

## **OPEI (Outdoor Power Equipment Institute)**

### **Revision**

BSR/OPEI Z130.1-202x, Golf Cars - Safety and Performance Specifications (revision and redesignation of ANSI/ILTV Z130.1-2012)

This standard provides safety and performance specifications relating to golf cars, driven by electric motors or internal combustion engines specifically intended for and used on golf courses for transporting golfers and their equipment.

Single copy price: Free

Obtain an electronic copy from: [gknott@opei.org](mailto:gknott@opei.org)

Order from: Greg Knott, (703) 549-7600, [gknott@opei.org](mailto:gknott@opei.org)

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

BSR/OPEI Z135-202x, Personal Transport Vehicles - Safety and Performance Specifications (revision of ANSI/ILTV Z135-2012)

This standard provides safety and performance specifications relating to personal transport vehicles, (PTVs), driven by electric motors or internal combustion engines to be operated on designated roadways, or within a closed community where permitted by law or by regulatory authority rules.

Single copy price: Free

Obtain an electronic copy from: [gknott@opei.org](mailto:gknott@opei.org)

Order from: Greg Knott, (703) 549-7600, [gknott@opei.org](mailto:gknott@opei.org)

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

## **UL (Underwriters Laboratories, Inc.)**

### **New Standard**

BSR/UL 4600-202x, Standard for Safety for the Evaluation of Autonomous Products (new standard)

This standard covers the safety principles, risk mitigation, tools, techniques, and lifecycle processes for building and evaluating a safety argument for vehicles that can operate in an autonomous mode. Operation is assumed to occur autonomously without human supervision and without expectation of human intervention in performing the dynamic driving task and other normal system operations based upon the current item state and ability to sense and otherwise interpret the operating environment. Human contributions to safety in other than normal operation are considered (e.g., maintenance), as are interactions with humans who are not operating the item (e.g., pedestrians). The requirements of this standard are considered a minimum appropriate level of completeness and rigor necessary to create an acceptably well-formed and acceptably complete item safety case.

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

## **UL (Underwriters Laboratories, Inc.)**

### **Revision**

BSR/UL 1574-202x, Standard for Safety for Track Lighting Systems (revision of ANSI/UL 1574-2012 (R2016))

This proposal for UL 1574 covers: (1) Revisions to include requirements for Low-Voltage Track Systems.

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](mailto: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: February 11, 2020

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

### ASME (American Society of Mechanical Engineers)

#### *Reaffirmation*

BSR/ASME B18.2.3.9M-2001 (R202x), Metric Heavy Hex Flange Screws (reaffirmation of ANSI/ASME B18.2.3.9M-2001 (R2014))

This Standard covers the complete dimensional and general data for metric series heavy hex flange screws recognized as American National Standard.

Single copy price: \$39.00

Order from: For Reaffirmations and Withdrawn standards, please view our catalog at <https://www.asme.org/shop/standards>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Lawrence Chan, (212) 591-7052, [chanl4@asme.org](mailto:chanl4@asme.org)

### ASME (American Society of Mechanical Engineers)

#### *Withdrawal*

ANSI/ASME B18.2.3.3M-2007 (R2014), Metric Heavy Hex Screws (withdrawal of ANSI/ASME B18.2.3.3M-2007 (R2014))

This Standard covers the complete general and dimensional data for metric heavy hex screws recognized as American National Standard.

Single copy price: \$39.00

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Order from: For Reaffirmations and Withdrawn standards, please view our catalog at <https://www.asme.org/shop/standards>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Lawrence Chan, (212) 591-7052, [chanl4@asme.org](mailto:chanl4@asme.org)

ANSI/ASME B18.21.2M-1999 (R2014), Lock Washers (Metric Series) (withdrawal of ANSI/ASME B18.21.2M-1999 (R2014))

This Standard covers the dimensions, physical properties, and methods of testing for helical-spring and tooth lock washers.

Single copy price: \$50.00

Order from: For Reaffirmations and Withdrawn standards, please view our catalog at <https://www.asme.org/shop/standards>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Lawrence Chan, (212) 591-7052, [chanl4@asme.org](mailto:chanl4@asme.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.

### ASTM (ASTM International)

ANSI/ASTM E1836/E1836M-2009 (R2016), Practice for Building Floor Area Measurements for Facility Management

Questions may be directed to: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

# 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.

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## **NFRC (National Fenestration Rating Council)**

**Contact:** Jen Padgett

**Phone:** (301) 589-1776

**E-mail:** [jpadgett@nfr.org](mailto:jpadgett@nfr.org)

**Office:** 6305 Ivy Lane  
Suite 140  
Greenbelt, MD 20770

BSR/NFRC 100-202x, Procedure for Determining Fenestration Product  
U-factors (revision of ANSI/NFRC 100-2017 [E0A2])

BSR/NFRC 200-202x, Procedure for Determining Fenestration Product  
Solar Heat Gain Coefficient and Visible Transmittance at Normal  
Incidence (revision of ANSI/NFRC 200-2017 [E0A1])

## **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](mailto: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.

## AGMA (American Gear Manufacturers Association)

### Revision

ANSI/AGMA 1102-CXX-2019, Tolerance Specification for Gear Hobs (revision and redesignation of ANSI/AGMA 1102-2013): 12/5/2019

ANSI/AGMA 2002-DXX-2019, Tooth Thickness and Backlash Measurement of Cylindrical Involute Gearing (revision of ANSI/AGMA 2002-C-2016): 12/9/2019

## AISI (American Iron and Steel Institute)

### New Standard

ANSI/AISI S921-2019, Test Standard for Determining the Strength and Serviceability of Cold-Formed Steel Truss Assemblies and Components (new standard): 12/3/2019

ANSI/AISI S922-2019, Test Standard for Determining the Strength and Stiffness of Bearing-Friction Interference Connector Assemblies in Profiled Steel Panels (new standard): 12/3/2019

## ANS (American Nuclear Society)

### Reaffirmation

ANSI/ANS 57.1-1992 (R2019), Design Requirements for Light Water Reactor Fuel Handling Systems (reaffirmation of ANSI/ANS 57.1-1992 (R2015)): 12/6/2019

## API (American Petroleum Institute)

### Reaffirmation

ANSI/API RP 10B-6/ISO 10426-6-2010 (R2019), Recommended Practice on Determining the Static Gel Strength of Cement Formulations (reaffirm a national adoption ANSI/API RP 10B-6/ISO 10426-6-2010 (R2015)): 12/3/2019

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

### Addenda

ANSI/ASHRAE Addendum f to ANSI/ASHRAE Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013): 12/9/2019

## ASME (American Society of Mechanical Engineers)

### Reaffirmation

ANSI/ASME A112.1.3-2000 (R2019), Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances (reaffirmation of ANSI/ASME A112.1.3-2000 (R2015)): 12/2/2019

ANSI/ASME A112.4.3-1999 (R2019), Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System (reaffirmation of ANSI/ASME A112.4.3-1999 (R2015)): 12/2/2019

ANSI/ASME A112.6.7-2010 (R2019), Sanitary Floor Sinks (reaffirmation of ANSI/ASME A112.6.7-2010 (R2015)): 12/2/2019

ANSI/ASME A112.6.9-2005 (R2019), Siphonic Roof Drains (reaffirmation of ANSI/ASME A112.6.9-2005 (R2015)): 12/2/2019

ANSI/ASME A112.14.6-2010 (R2019), FOG (Fats, Oils & Greases) Disposal Systems (reaffirmation of ANSI/ASME A112.14.6-2010 (R2015)): 12/2/2019

ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019), Plumbing Waste Fittings (reaffirmation of ANSI/ASME A112.18.2/CSA B125.2-2015): 12/2/2019

### Revision

ANSI/ASME PVHO-1-2019, Safety Standard for Pressure Vessels for Human Occupancy (revision of ANSI/ASME PVHO-1-2016): 12/4/2019

ANSI/ASME PVHO-2-2019, Safety Standard for Pressure Vessels for Human Occupancy: In-Service Guidelines (revision of ANSI/ASME PVHO-2-2016): 12/4/2019

## ASTM (ASTM International)

### New Standard

ANSI/ASTM D8289-2019, Test Method for Tensile Strength Estimate by Disk Compression of Manufactured Graphite (new standard): 11/19/2019

ANSI/ASTM F2747-2019, Reinstatement of F2747-10, Standard Guide for Construction of Sand-Based Rootzones for Golf Putting Greens and Tees (new standard): 11/5/2019

### Reaffirmation

ANSI/ASTM D6615-2015 (R2019), Specification for Jet B Wide-Cut Aviation Turbine Fuel (reaffirmation of ANSI/ASTM D6615-2015): 11/19/2019

### Revision

ANSI/ASTM C781-2019, Practice for Testing Graphite Materials for Gas-Cooled Nuclear Reactor Components (revision of ANSI/ASTM C781-2018): 11/19/2019

ANSI/ASTM D910-2019, Specification for Leaded Aviation Gasolines (revision of ANSI/ASTM D910-2017A): 12/1/2019

ANSI/ASTM D1322-2019, Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel (revision of ANSI/ASTM D1322-2018): 11/19/2019

ANSI/ASTM D3139-2019, Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals (revision of ANSI/ASTM D3139-2018): 11/19/2019

ANSI/ASTM D3241-2019, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2014a): 11/19/2019

ANSI/ASTM D3678-2019, Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions (revision of ANSI/ASTM D3678-2014): 11/19/2019

ANSI/ASTM D4226-2019, Test Methods for Impact Resistance of Rigid Poly (Vinyl Chloride) (PVC) Building Products (revision of ANSI/ASTM D4226 -2016): 11/19/2019

ANSI/ASTM D6299-2019, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2018): 11/19/2019

ANSI/ASTM D6708-2019, Practice for Statistical Assessment and Improvement of Expected Agreement between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2019): 11/19/2019

ANSI/ASTM D7219-2019, Specification for Isotropic and Near-Isotropic Nuclear Graphites (revision of ANSI/ASTM D7219-2008 (R2014)): 11/19/2019

ANSI/ASTM D7826-2019, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2019): 11/19/2019

ANSI/ASTM D8093-2019, Guide for Nondestructive Evaluation of Nuclear Grade Graphite (revision of ANSI/ASTM D8093-2016): 11/19/2019

ANSI/ASTM E1129-2019, Specification for Thermocouple Connectors (revision of ANSI/ASTM E1129-2017): 11/19/2019

ANSI/ASTM E1684-2019, Specification for Miniature Thermocouple Connectors (revision of ANSI/ASTM E1684-2017): 11/19/2019

ANSI/ASTM E1687-2019, Test Method for Determining Carcinogenic Potential of Virgin Base Oils in Metalworking Fluids (revision of ANSI/ASTM E1687-2010 (R2014)): 11/19/2019

ANSI/ASTM E2073-2019, Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings (revision of ANSI/ASTM E2073-2019): 11/19/2019

ANSI/ASTM E2693-2019, Practice for Prevention of Dermatitis in the Wet Metal Removal Fluid Environment (revision of ANSI/ASTM E2693-2014): 11/19/2019

ANSI/ASTM F512-2019, Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Conduit and Fittings for Underground Installation (revision of ANSI/ASTM F512-2017): 11/19/2019

ANSI/ASTM F877-2019, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM F877 -2018A): 11/19/2019

ANSI/ASTM F1807-2019, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2017): 11/19/2019

ANSI/ASTM F1948-2019, Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing (revision of ANSI/ASTM F1948-2017): 11/19/2019

ANSI/ASTM F1960-2019, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2019): 11/19/2019

ANSI/ASTM F2080-2019, Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Crosslinked Polyethylene (PEX) Pipe and SDR9 Polyethylene of Raised Temperature (PE-RT) Pipe (revision of ANSI/ASTM F2080-2018): 11/19/2019

ANSI/ASTM F2389-2019, Specification for Pressure-Rated Polypropylene (PP) Piping Systems (revision of ANSI/ASTM F2389-2017A): 11/19/2019

ANSI/ASTM F2434-2019, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Tubing (revision of ANSI/ASTM F2434-2018): 11/19/2019

ANSI/ASTM F3253-2019, Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems (revision of ANSI/ASTM F3253-2018): 11/19/2019

ANSI/ASTM F3347-2019, Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F3347-2019): 11/19/2019

## **AWI (Architectural Woodwork Institute)**

### ***New Standard***

ANSI/AWI 0641-2019, Architectural Wood Casework (new standard): 12/9/2019

## **AWS (American Welding Society)**

### ***Revision***

ANSI/AWS D1.1/D1.1M-2019, Structural Welding Code - Steel (revision of ANSI/AWS D1.1/D1.1M-2015): 12/9/2019

## **CSA (CSA America Standards Inc.)**

### ***Reaffirmation***

ANSI/CSA HGV 4.1-2013 (R2019), Standard for hydrogen dispensing systems (reaffirmation of ANSI/CSA HGV 4.1-2013): 12/5/2019

### ***Revision***

ANSI Z83.21-2019, Commercial Dishwashers (revision of ANSI Z83.21-2017): 12/5/2019

## **CTA (Consumer Technology Association)**

### ***New Standard***

\* ANSI/CTA 2087-2019, Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (new standard): 12/9/2019

### ***Reaffirmation***

\* ANSI/CTA 852-C-2014 (R2019), Tunneling Device Area Network Protocols Over Internet Protocol Channels (reaffirmation of ANSI/CTA 852-C-2014): 12/4/2019



**Stabilized Maintenance**

- \* ANSI/CTA 2020-2007 (S2019), Other VBI Waveforms (stabilized maintenance of ANSI/CTA 2020-2007 (R2014)): 12/5/2019

**FM (FM Approvals)****Revision**

- ANSI/FM 4996-2019, Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets (revision of ANSI/FM 4996-2013): 12/9/2019

**HL7 (Health Level Seven)****Revision**

- ANSI/HL7 CDA, R2.1-2019, HL7 Clinical Document Architecture, Release 2.1 (revision and redesignation of ANSI/HL7 CDA, R2-2005 (R2015)): 12/6/2019
- ANSI/HL7 V2.9-2019, Health Level Standard Standard Version 2.9 - An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision and redesignation of ANSI/HL7 V2.8.2-2015): 12/9/2019

**INMM (ASC N14) (Institute of Nuclear Materials Management)****Revision**

- ANSI N14.1-2019, Uranium Hexafluoride - Packagings for Transport (revision of ANSI N14.1-2012): 12/5/2019

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

- INCITS 485-2014 [R2019], Information Technology - Fibre Channel - Single-Byte Command Code Sets Mapping Protocol - 5 (FC-SB-5) (reaffirmation of INCITS 485-2014): 12/9/2019
- INCITS 489-2014 [R2019], Information technology - SCSI over PCIe (RTM) architecture (SOP) (reaffirmation of INCITS 489-2014): 12/9/2019
- INCITS 509-2014 [R2019], Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (reaffirmation of INCITS 509-2014): 12/9/2019
- INCITS 514-2014 [R2019], Information technology - SCSI Block Commands - 3 (SBC-3) (reaffirmation of INCITS 514-2014): 12/10/2019

**Withdrawal**

- INCITS 490-2014, Information technology - SCSI over PCIe (RTM) architecture (SOP) (withdrawal of INCITS 490-2014): 12/9/2019
- INCITS/ISO/IEC 5138-2:1980 [S2019], Office Machines - Vocabulary - Part 02: Duplicators (withdrawal of INCITS/ISO/IEC 5138-2:1980 [S2019]): 12/9/2019
- INCITS/ISO/IEC 5138-3:1981 [S2019], Office Machines - Vocabulary - Part 03: Addressing Machines (withdrawal of INCITS/ISO/IEC 5138-3:1981 [S2019]): 12/9/2019

- INCITS/ISO/IEC 5138-4:1981 [S2019], Office Machines - Vocabulary - Part 04: Letter Opening Machines (withdrawal of INCITS/ISO/IEC 5138-4:1981 [S2019]): 12/9/2019

- INCITS/ISO/IEC 5138-5:1981 [S2019], Office Machines - Vocabulary - Part 05: Letter Folding Machines (withdrawal of INCITS/ISO/IEC 5138-5:1981 [S2019]): 12/9/2019

- INCITS/ISO/IEC 5138-9:1984 [S2019], Office Machines - Vocabulary - Part 9: Typewriters (withdrawal of INCITS/ISO/IEC 5138-9:1984 [S2019]): 12/9/2019

**NCPDP (National Council for Prescription Drug Programs)****New Standard**

- ANSI/NCPDP RTPB Standard vBT-2019, NCPDP Real-Time Prescription Benefit Standard vBT (new standard): 12/6/2019
- ANSI/NCPDP State Medicaid Provider File Standard v10-2019, NCPDP State Medicaid Provider File Standard v10 (new standard): 12/6/2019

**Revision**

- ANSI/NCPDP Audit Transaction v35-2019, NCPDP Audit Transaction Standard v35 (revision and redesignation of ANSI/NCPDP Audit Transaction v34-2019): 12/6/2019
- ANSI/NCPDP Benefit Integration Standard v16-2019, NCPDP Benefit Integration Standard v16 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v15-2019): 12/6/2019
- ANSI/NCPDP FB v53-2019, NCPDP Formulary and Benefit Standard v53 (revision and redesignation of ANSI/NCPDP FB v52-2019): 12/6/2019
- ANSI/NCPDP PA Transfer v25-2019, NCPDP Prior Authorization Transfer Standard v25 (revision and redesignation of ANSI/NCPDP PA Transfer v24-2019): 12/6/2019
- ANSI/NCPDP PDMP Reporting Standard v12-2019, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v12 (revision and redesignation of ANSI/NCPDP PDMP Reporting Standard v11-2019): 12/6/2019
- ANSI/NCPDP Post Adj v51-2019, NCPDP Post Adjudication Standard v51 (revision and redesignation of ANSI/NCPDP Post Adj v50-2019): 12/6/2019
- ANSI/NCPDP Prescription Transfer Standard v38-2019, NCPDP Prescription Transfer Standard v38 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v37-2019): 12/6/2019
- ANSI/NCPDP Product Identifier v1.5-2019, NCPDP Product Identifier Standard v1.5 (revision and redesignation of ANSI/NCPDP Product Identifier v1.4-2017): 12/6/2019
- ANSI/NCPDP SC Standard 2020011-2019, NCPDP SCRIPT Standard 2020011 (revision and redesignation of ANSI/NCPDP Specialized Standard 2019071-2019): 12/6/2019
- ANSI/NCPDP Specialized Standard 2020011-2019, NCPDP Specialized Standard 2020011 (revision and redesignation of ANSI/NCPDP Specialized Standard 2019071-2019): 12/6/2019
- ANSI/NCPDP Specialty Pharmacy Reporting v13-2019, NCPDP Specialty Pharmacy Data Reporting Standard v13 (revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v12-2019): 12/6/2019

ANSI/NCPDP TC vF6-2019, NCPDP Telecommunication Standard vF6 (revision and redesignation of ANSI/NCPDP TC vF5-2019): 12/6/2019

ANSI/NCPDP Uniform Healthcare Payer Data Standard v28-2019, NCPDP Uniform Healthcare Payer Data Standard v28 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v27-2019): 12/6/2019

## **NEMA (ASC C136) (National Electrical Manufacturers Association)**

### **Revision**

ANSI C136.25-2019, Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2013): 12/9/2019

## **NEMA (ASC C18) (National Electrical Manufacturers Association)**

### **New Standard**

\* ANSI C18.2M, Part 1-2019, Standard for Portable Nickel Rechargeable Cells and Batteries General and Specifications (new standard): 12/5/2019

## **NSF (NSF International)**

### **Revision**

ANSI/NSF 14-2019 (i105r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018): 11/28/2019

ANSI/NSF 14-2019 (i106r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018): 12/7/2019

ANSI/NSF 426-2019 (i8r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2018): 12/1/2019

ANSI/NSF 455-3-2019 (i15r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 12/4/2019

ANSI/NSF 455-3-2019 (i16r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 12/4/2019

ANSI/NSF 455-3-2019 (i18r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 12/4/2019

ANSI/NSF 455-3-2019 (i19r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 12/5/2019

ANSI/NSF 455-3-2019 (i20r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 12/5/2019

## **OPEI (Outdoor Power Equipment Institute)**

### **Revision**

ANSI/OPEI B175.3-2019, Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Grass Trimmers and Brushcutters - Safety and Environmental Requirements (revision of ANSI/OPEI B175.3-2013): 12/5/2019

## **TIA (Telecommunications Industry Association)**

### **Revision**

ANSI/TIA 102.BAIB-B-2019, Tier 1 Location Services Specification (revision and redesignation of ANSI/TIA 102.BAIB-A-2014): 12/9/2019

## **UL (Underwriters Laboratories, Inc.)**

### **Revision**

ANSI/UL 79-2019, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2016): 12/6/2019

ANSI/UL 913-2019, Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I,II, III, Division 1, Hazardous (Classified) Locations (revision of ANSI/UL 913-2018): 12/6/2019

ANSI/UL 2108-2019, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2017): 12/6/2019

ANSI/UL 120101-2019, Standard for Safety for Definitions and Information Pertaining to Electrical Equipment in Hazardous Locations (revision and redesignation of ANSI/ISA 12.01.01-2013): 12/3/2019

## **VC (ASC Z80) (The Vision Council)**

### **Reaffirmation**

ANSI Z80.27-2014 (R2019), Implantable Glaucoma Devices (reaffirmation of ANSI Z80.27-2014): 12/9/2019

# 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.

## ASME (American Society of Mechanical Engineers)

Contact: *Maria Acevedo, (212) 591-8500, csadmin@asme.org*  
*Two Park Avenue, 6th Floor, New York, NY 10016-5990*

### Revision

BSR/ASME B1.20.1-202x, Pipe Threads, General Purpose (Inch) (revision of ANSI/ASME B1.20.1-2013 (R2018))

Stakeholders: Manufacturers and purchasers of pipe threads.

Project Need: Revise to incorporate formula-driven specification values and requirements that conform to current business practices.

This standard covers dimensions and gaging of pipe threads for general purpose applications.

## NFRC (National Fenestration Rating Council)

Contact: *Jen Padgett, (301) 589-1776, jpadgett@nfr.org*  
*6305 Ivy Lane, Suite 140, Greenbelt, MD 20770*

### Revision

BSR/NFRC 100-202x, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2017 [E0A2])

Stakeholders: Manufacturers and vendors of fenestration products or components; consumers and consumer advocacy organizations; construction and building professionals; education and research institutions; energy building code officials; organizations concerned with energy efficiency.

Project Need: ANSI/NFRC 100 is necessary for the fenestration industry to accurately rate energy performance of products to enable code compliance and a fair marketplace.

To specify a method for determining fenestration product U-factor (thermal transmittance).

BSR/NFRC 200-202x, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2017 [E0A1])

Stakeholders: Manufacturers and vendors of fenestration products or components; consumers and consumer advocacy organizations; construction and building professionals; education and research institutions; energy building code officials; organizations concerned with energy efficiency.

Project Need: ANSI/NFRC 200 is necessary for the fenestration industry to accurately rate energy performance of products to enable code compliance and a fair marketplace.

This standard specifies a method for calculating solar heat gain coefficient (SHGC) and visible transmittance (VT) at normal (perpendicular) incidence for fenestration products containing glazings or glazing with applied films, with specular optical properties calculated in accordance with ISO 15099 (except where noted) or tested in accordance with NFRC 201, NFRC 202, and NFRC 203.

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at [www.ansi.org/asd](http://www.ansi.org/asd), select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview)

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at [psa@ansi.org](mailto:psa@ansi.org) or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

# 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](mailto:standact@ansi.org).

<p><b>AAFS</b> American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: <a href="http://www.aafs.org">www.aafs.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>INMM (ASC N14)</b> Institute of Nuclear Materials Management P.O. Box 2008, MS 6495 Oak Ridge National Laboratory Oak Ridge, TN 37831-6495 Phone: (209) 627-5473 Web: <a href="http://www.inmm.org">www.inmm.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>
<p><b>AGMA</b> American Gear Manufacturers Association 1001 N Fairfax Street 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: <a href="http://www.agma.org">www.agma.org</a></p>	<p><b>AWI</b> Architectural Woodwork Institute 46179 Westlake Drive, Ste 120 Potomac Falls, VA 20165 Phone: (571) 323-3636 Web: <a href="http://www.awinet.org">www.awinet.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 700 K Street NW Suite 600 Washington, DC 20001 Phone: (202) 737-8888 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>OPEI</b> Outdoor Power Equipment Institute 1605 King Street Alexandria, VA 22314 Phone: (703) 549-7600 Web: <a href="http://www.opei.org">www.opei.org</a></p>
<p><b>AISI</b> American Iron and Steel Institute 3425 Drighton Court Bethlehem, PA 18020-1335 Phone: (610) 691-6334 Web: <a href="http://www.steel.org">www.steel.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36 ST., #130 Miami, FL 33166 Phone: (800) 443-9353 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>NCPDP</b> National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (480) 296-4584 Web: <a href="http://www.ncdp.org">www.ncdp.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Web: <a href="http://www.ans.org">www.ans.org</a></p>	<p><b>CSA</b> CSA America Standards Inc. 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: <a href="http://www.csagroup.org">www.csagroup.org</a></p>	<p><b>NEMA (ASC C136)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3234 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096 Phone: (847) 664-2346 Web: <a href="http://www.ul.com">www.ul.com</a></p>
<p><b>API</b> American Petroleum Institute 1220 L Street, NW Washington, DC 20005 Phone: (202) 682-8286 Web: <a href="http://www.api.org">www.api.org</a></p>	<p><b>CTA</b> Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Web: <a href="http://www.cta.tech">www.cta.tech</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>VC (ASC Z80)</b> The Vision Council 225 Reinekers Lane Alexandria, VA 22314 Phone: 585-387-9913 Web: <a href="http://www.z80asc.com">www.z80asc.com</a></p>
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>FM</b> FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062 Phone: (781) 255-4813 Web: <a href="http://www.fmglobal.com">www.fmglobal.com</a></p>	<p><b>NFRC</b> National Fenestration Rating Council 6305 Ivy Lane Suite 140 Greenbelt, MD 20770 Phone: (301) 589-1776 Web: <a href="http://www.nfrc.org">www.nfrc.org</a></p>	
<p><b>ASME</b> American Society of Mechanical Engineers Two Park Avenue 6th Floor New York, NY 10016-5900 Phone: (212) 591-8500 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>HL7</b> Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Web: <a href="http://www.hl7.org">www.hl7.org</a></p>		



# 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](mailto: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](mailto: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](mailto: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

### ACOUSTICS (TC 43)

ISO/DIS 22955, Acoustics - Acoustic quality of open office spaces - 2/23/2020, \$107.00

### DOMESTIC GAS COOKING APPLIANCES (TC 291)

ISO/DIS 21364-21, Domestic gas cooking appliances - Safety - Part 21: Particular requirements for gas hobs, gas grills and gas griddles - 2/23/2020, \$88.00

### INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 10303-1, Industrial automation systems and integration - Product data representation and exchange - Part 1: Overview and fundamental principles - 2/13/2020, \$88.00

### NUCLEAR ENERGY (TC 85)

ISO/DIS 8529-1, Reference neutron radiations fields - Part 1: Characteristics and methods of production - 2/22/2020, \$88.00

### ROAD VEHICLES (TC 22)

ISO/DIS 21498-1, Electrically propelled road vehicles - Electrical specifications and tests for voltage class B systems and components - Part 1: Voltage sub-classes and characteristics - 2/22/2020, \$58.00

### VALVES (TC 153)

ISO/DIS 6002, Industrial valves - Bolted bonnet steel gate valves - 2/22/2020, \$67.00

## IEC Standards

2/1977/CD, IEC 60034-1 ED14: Rotating electrical machines - Part 1: Rating and performance, 2020/2/28

15/910/CD, IEC 60455-2 ED4: Resin based reactive compounds used for electrical insulation - Part 2: Methods of test, 2020/2/28

17C/734/NP, PNW TS 17C-734: High-voltage switchgear and control gear - Part 317: Mobile substation using air and gas-Insulated switchgear assemblies, 2020/2/28

17C/735/NP, PNW TS 17C-735: High-voltage switchgear and control gear - Part 317 DC gas-insulated switchgear assemblies, 2020/2/28

22G/409/CD, IEC 61800-3 ED4: Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods for PDS and machine tools with embedded PDS, 2020/2/28

23A/895/CD, IEC 61386-21 ED2: Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems, 2020/2/28

23A/896/CD, IEC 61386-22 ED2: Conduit Systems for cable management - Part 22: Particular requirements - Pliable conduit systems, 2020/2/28

23A/897/CD, IEC 61386-23 ED2: Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems, 2020/2/28

23G/434/CD, IEC 60320-1/FRAG7 ED4: Appliance couplers for household and similar general purposes - Part 1: General requirements, 2020/2/28

23G/435/CD, IEC 60320-1/FRAG8 ED4: Appliance couplers for household and similar general purposes - Part 1: General requirements, 2020/2/28

29/1038/CDV, IEC 60263 ED4: Scales and sizes for plotting frequency characteristics and polar diagrams, 2020/2/28

31J/301/CD, IEC 60079-14 ED6: Explosive atmospheres - Part 14: Electrical installations design, selection and erection, 2020/2/28

33/643/CD, IEC 63210 ED1: Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage above 1000 V, 2020/2/28

34B/2071/FDIS, IEC 60838-1/AMD2 ED5: Amendment 2 - Miscellaneous lampholders - Part 1: General requirements and tests, 2020/1/17

34B/2072/FDIS, IEC 60400/AMD1 ED8: Amendment 1 - Lampholders for tubular fluorescent lamps and starterholders, 2020/1/17

36/479/CD, IEC 60383-1 ED5: Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria, 2020/1/31

36/476/CD, IEC TS 60815-1 ED2: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles, 2020/2/28

- 36/477/CD, IEC TS 60815-2 ED2: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems, 2020/2/28
- 36/478/CD, IEC TS 60815-3 ED2: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 3: Polymer insulators for a.c. systems, 2020/2/28
- 44/868/NP, PNW TS 44-868: Safety of Machinery - Safety-related sensors used for the protection of persons,
- 45A/1301/FDIS, IEC 61226 ED4: Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Categorization of functions and classification of systems, 2020/1/17
- 47/2610/NP, PNW 47-2610: Future IEC 62951-9: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 9: Performance and reliability testing methods of one transistor and one resistor (1T1R) resistive memory cells, 2020/2/28
- 65/782/CD, IEC 61010-2-201 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -201: Particular requirements for control equipment, 2020/2/28
- 78/1305/NP, PNW 78-1305: Live Working - Footwear for Electrical Protection - Footwear and Overboots with Electrical Insulating Outsole, 2020/2/28
- 82/1655/CD, IEC 62788-1-1 ED1: Measurement procedures for materials used in photovoltaic modules - Part 1-1: Encapsulants - Polymeric materials used for encapsulants, 2020/1/31
- 86C/1639/CD, IEC 61280-2-8 ED2: Fibre optic communication subsystem test procedures - Digital systems - Part 2-8: Determination of low BER using Q-factor measurements, 2020/2/28
- 89/1492(F)/CDV, IEC 60695-2-11 ED3: Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT), 2020/2/21
- 89/1491(F)/CDV, IEC 60695-2-13 ED3: Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials, 2020/2/21
- 110/1170A/CD, IEC 63145-21-20 ED1: Eyewear display - Part 21-20: Specific measuring methods for VR type - Image quality, 2020/2/28
- 110/1174/DTR, IEC TR 62595-1-4 ED1: Display lighting unit - Part 1-4: Glass light guide plate, 2020/1/31
- 113/521/NP, PNW TS 113-521: Nanomanufacturing - Key control characteristics - Part 2-5: Carbon nanotube materials - Density of vertically-aligned carbon nanotubes: X-ray absorption method, 2020/2/28
- 113/520/NP, PNW TS 113-520: Nanomanufacturing - Key Control Characteristics - Part 8-3: Nano-enabled metal-oxide interfacial devices - Test method for the analogue change and resistance fluctuation, 2020/2/28
- JTC1-SC41/126/CD, ISO/IEC 30162 ED1: Internet of Things (IoT) - Compatibility requirements and model for devices within industrial IoT systems, 2020/1/31
- JTC1-SC41/127/CD, ISO/IEC 30163 ED1: Internet of Things (IoT) - System requirements of IoT/SN technology-based integrated platform for chattel asset monitoring supporting financial services, 2020/1/31
- JTC1-SC41/123/CD, ISO/IEC 21823-3 ED1: Internet of Things (IoT) - Interoperability for IoT Systems - Part 3: Semantic interoperability, 2020/1/31



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### ADDITIVE MANUFACTURING (TC 261)

[ISO/ASTM 52907:2019](#), Additive manufacturing - Feedstock materials - Methods to characterize metal powders, \$138.00

### AIR QUALITY (TC 146)

[IEC 62990-1:2019](#), \$285.00

### AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 16698:2019](#), Space environment (natural and artificial) - Methods for estimation of future geomagnetic activity, \$138.00

### APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 5725-2:2019](#), Accuracy (trueness and precision) of measurement methods and results - Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method, \$209.00

### BUILDING CONSTRUCTION (TC 59)

[ISO 15392:2019](#), Sustainability in buildings and civil engineering works - General principles, \$138.00

### EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 6183/Amd2:2019](#), Fire protection equipment - Carbon dioxide extinguishing systems for use on premises - Design and installation - Amendment 2, \$19.00

### FLUID POWER SYSTEMS (TC 131)

[ISO 10763:2019](#), Hydraulic fluid power - Plain-end, seamless and welded precision steel tubes - Dimensions and nominal working pressures, \$45.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19107:2019](#), Geographic information - Spatial schema, \$232.00

[ISO 19116:2019](#), Geographic information - Positioning services, \$209.00

### GEOSYNTHETICS (TC 221)

[ISO 9863-1/Amd1:2019](#), Geosynthetics - Determination of thickness at specified pressures - Part 1: Single layers - Amendment 1, \$19.00

### INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 16300-4:2019](#), Automation systems and integration - Interoperability of capability units for manufacturing application solutions - Part 4: Capability unit assessment for the manufacturing application requirements, \$138.00

[ISO 15926-10:2019](#), Industrial automation systems and integration - Integration of life cycle data for process plants including oil and gas production facilities - Part 10: Conformance testing, \$185.00

### INFORMATION AND DOCUMENTATION (TC 46)

[ISO 21246:2019](#), Information and documentation - Key indicators for museums, \$209.00

[ISO 15836-2:2019](#), Information and documentation - The Dublin Core metadata element set - Part 2: DCMI Properties and classes, \$138.00

### JEWELLERY (TC 174)

[ISO 8654/Amd1:2019](#), Jewellery - Colours of gold alloys - Definition, range of colours and designation - Amendment 1, \$19.00

### MATERIALS FOR THE PRODUCTION OF PRIMARY ALUMINIUM (TC 226)

[ISO 15379-1:2019](#), Carbonaceous materials for the production of aluminium - Cathode block materials - Part 1: Determination of the expansion due to sodium penetration with application of pressure, \$45.00

### MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 7626-5:2019](#), Mechanical vibration and shock - Experimental determination of mechanical mobility - Part 5: Measurements using impact excitation with an exciter which is not attached to the structure, \$162.00

[ISO 14830-1:2019](#), Condition monitoring and diagnostics of machine systems - Tribology-based monitoring and diagnostics - Part 1: General requirements and guidelines, \$185.00

### NANOTECHNOLOGIES (TC 229)

[ISO 20814:2019](#), Nanotechnologies - Testing the photocatalytic activity of nanoparticles for NADH oxidation, \$138.00

### NON-DESTRUCTIVE TESTING (TC 135)

[ISO 21432:2019](#), Non-destructive testing - Standard test method for determining residual stresses by neutron diffraction, \$185.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 8596/Amd1:2019](#), Ophthalmic optics - Visual acuity testing - Standard and clinical optotypes and their presentation - Amendment 1, \$19.00

[ISO 21073:2019](#), Microscopes - Confocal microscopes - Optical data of fluorescence confocal microscopes for biological imaging, \$103.00

[ISO 19056-2:2019](#), Microscopes - Definition and measurement of illumination properties - Part 2: Illumination properties related to the colour in bright field microscopy, \$68.00

### PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 16073-4:2019](#), Wildland firefighting personal protective equipment - Requirements and test methods - Part 4: Gloves, \$103.00

### PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 6614/Amd1:2019](#), Petroleum products - Determination of water separability of petroleum oils and synthetic fluids - Amendment 1, \$19.00



**POWDER METALLURGY (TC 119)**

[ISO 10070:2019](#), Metallic powders - Determination of envelope-specific surface area from measurements of the permeability to air of a powder bed under steady-state flow conditions, \$103.00

**STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)**

[ISO 11737-2:2019](#), Sterilization of health care products - Microbiological methods - Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process, \$103.00

**SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)**

[ISO 37123:2019](#), Sustainable cities and communities - Indicators for resilient cities, \$232.00

**TEXTILES (TC 38)**

[ISO 20706-1:2019](#), Textiles - Qualitative and quantitative analysis of some bast fibres (flax, hemp, ramie) and their blends - Part 1: Fibre identification using microscopy methods, \$162.00

**TIMBER (TC 218)**

[ISO 3129:2019](#), Wood - Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens, \$68.00

**TOBACCO AND TOBACCO PRODUCTS (TC 126)**

[ISO 22634-1:2019](#), Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS - Part 1: Method using methanol as extraction solvent, \$68.00

[ISO 22634-2:2019](#), Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS - Part 2: Method using cyclohexane as extraction solvent, \$68.00

**TRADITIONAL CHINESE MEDICINE (TC 249)**

[ISO 22584:2019](#), Traditional Chinese medicine - Angelica sinensis root, \$103.00

**ISO Technical Specifications****APPLICATIONS OF STATISTICAL METHODS (TC 69)**

[ISO/TS 16355-6:2019](#), Applications of statistical and related methods to new technology and product development process - Part 6: Guidance for QFD-related approaches to optimization, \$103.00

**ERGONOMICS (TC 159)**

[ISO/TS 9241-126:2019](#), Ergonomics of human-system interaction - Part 126: Guidance on the presentation of auditory information, \$138.00

**NANOTECHNOLOGIES (TC 229)**

[ISO/TS 10867:2019](#), Nanotechnologies - Characterization of single-wall carbon nanotubes using near infrared photoluminescence spectroscopy, \$103.00

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

[ISO/TS 16943:2019](#), Thermoplastic pipes for the conveyance of fluids - Inspection of polyethylene electrofusion socket joints using phased array ultrasonic testing, \$138.00

**SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)**

[ISO/TS 37107:2019](#), Sustainable cities and communities - Maturity model for smart sustainable communities, \$185.00

**TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

[ISO/TS 17187:2019](#), Intelligent transport systems - Electronic information exchange to facilitate the movement of freight and its intermodal transfer - Governance rules to sustain electronic information exchange methods, \$162.00

**ISO/IEC JTC 1, Information Technology**

[ISO/IEC 10918-7:2019](#), Information technology - Digital compression and coding of continuous-tone still images - Part 7: Reference software, \$103.00

[ISO/IEC/IEEE 21840:2019](#), Systems and software engineering - Guidelines for the utilization of ISO/IEC/IEEE 15288 in the context of system of systems (SoS), \$209.00

[ISO/IEC TS 33053:2019](#), Information technology - Process assessment - Process Reference Model (PRM) for quality management, \$209.00

**IEC Standards****ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)**

[IEC 62990-1 Ed. 1.0 b cor.1:2019](#), Corrigendum 1 - Workplace atmospheres - Part 1: Gas detectors - Performance requirements of detectors for toxic gases, \$0.00

**POWER ELECTRONICS (TC 22)**

[IEC 62823 Amd.1 Ed. 1.0 b:2019](#), Amendment 1 - Thyristor valves for thyristor controlled series capacitors (TCSC) - Electrical testing, \$23.00

[IEC 62823 Ed. 1.1 b:2019](#), Thyristor valves for thyristor controlled series capacitors (TCSC) - Electrical testing, \$352.00

**SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)**

[IEC 60335-2-95 Ed. 4.0 b:2019](#), Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use, \$199.00

[S+ IEC 60335-2-95 Ed. 4.0 en:2019 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use, \$259.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## 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](mailto: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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### Air Conditioning Contractors of America (ACCA)

ANSI's Executive Standards Council has approved the reaccreditation of the Air Conditioning Contractors of America (ACCA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ACCA-sponsored American National Standards, effective December 10, 2019. For additional information, please contact: Mr. Danny Halel, Manager of Standards, 2800 Shirlington Road, Suite 300, Arlington, VA 22206; phone: 618.402.4440; e-mail: [danny.halel@acca.org](mailto:danny.halel@acca.org).

#### APPA – Leadership in Educational Facilities

ANSI's Executive Standards Council has approved the reaccreditation of APPA – Leadership in Educational Facilities, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on APPA-sponsored American National Standards, effective December 11, 2019. For additional information, please contact: Ms. Billie Zidek, Standards & Codes Administrator, APPA, 1643 Prince Street, Alexandria, VA 22314; phone: 703.542.3846; e-mail: [Billie@appa.org](mailto:Billie@appa.org).

#### Manufacturers Standardization Society (MSS)

The reaccreditation of the Manufacturers Standardization Society (MSS), 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 MSS-sponsored American National Standards, effective December 10, 2019. For additional information, please contact: Mr. David Thompson, AStd, Executive Director, Manufacturers Standardization Society, 127 Park Street NE, Vienna, VA 22180-4602; phone: 703.281.6613; e-mail: [dthompson@msshq.org](mailto:dthompson@msshq.org).

## International Organization for Standardization (ISO)

### New Secretariats

#### ISO/TC 301 – Energy Management and Energy Savings

##### Comment Deadline: December 20, 2019

ANSI has requested to delegate the responsibilities of the administration of the ISO/TC 301 secretariat to Georgia Tech Energy & Sustainability Services. The secretariat was previously held by ANSI and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 301 operates under the following scope:

Standardization in the field of energy management and energy savings.

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

# U.S. Technical Advisory Groups (TAG)

## Application for Accreditation

### U.S. Technical Advisory Group (TAG) to ISO TC 180/SA 1 – Climate – Measurement and Data

**Comment Deadline: January 13, 2020**

ASTM International has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 180/SC 1, Climate – Measurement and data, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Ms. Nora Nimmerichter, Manager, Technical Committee Operations, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19248; phone: 610.832.9815; e-mail: [nnimmerichter@astm.org](mailto:nnimmerichter@astm.org). Please submit your comments to ASTM by January 13, 2020 (please copy [ithomps@ansi.org](mailto:ithomps@ansi.org)).

# Information Concerning

## American National Standards

### Call for Members

### NEMA

### Response Deadline: January 12, 2020

NEMA is calling for volunteers for a new ANSI Canvass. Members will be asked to review and approve a series of metrological performance standards for electrical submeters. The documents will be grouped into the NEMA ESM1 standard.

The first two standards the Canvass group will be asked to review and approve are:

- ESM1-1 Electrical Submeters - General Requirements
- ESM1-2 Electrical Submeters - AC Active Energy Accuracy

Other electrical submetering standards currently planned for approval by the Canvass are:

- Additional Measurements Accuracy
- DC Energy Accuracy
- Power Quality Measurements and Accuracy
- Current Sensor Accuracy
- Demand Metering
- Field Testing

Directly and materially affected parties who are interested in participating as a voting member of the ANSI NEMA ESM 1 canvass for the standards listed above are requested to contact the ANSI/NEMA ESM1 Canvass Secretary directly no later than 30 days from the publication date of the ANSI Standards Action edition containing this note.

The canvass members list will be available upon request.

ANSI/NEMA ESM1 Canvass Secretary:

Andrei Moldoveanu, Sr. Program Manager, NEMA

1300 North, 17<sup>th</sup> St, Suite 900

Rosslyn, VA 22209

[And\\_moldoveanu@NEMA.org](mailto:And_moldoveanu@NEMA.org); w: 703 841 3290; c: 703 628 3421

# Information Concerning

## American National Standards

### Call for Members

#### AAMI

### Response Deadline: February 10, 2020

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

AAMI/ISO 80369-7(Ed.2), Small-bore connectors for liquids and gases in healthcare applications – Part 7: Connectors for intravascular or hypodermic applications. Specifies dimensions and requirements for the design and functional performance of small-bore connectors intended to be used for connections in intravascular applications or hypodermic connections in hypodermic applications of medical devices and accessories.

Interest category sought: Users (A member of a consensus body who, as an individual or organizational representative, purchases, utilizes or receives the materials, products, systems, or services covered in the scope of technical documents developed by AAMI in the delivery of healthcare shall be classified as a User Interest stakeholder. Individuals in this interest category include clinicians, employees or representatives of Healthcare Delivery Organizations, clinical consultants, patients, etc.).

To apply or obtain additional information please contact Colleen Elliott at [celliot@ami.org](mailto:celliot@ami.org) by February 10, 2020.

# Information Concerning

## American National Standards

### Call for Members

### ACCT Scouting Members for the ACCT Consensus Group

### Response Deadline: January 29, 2020

The Association for Challenge Course Technology (ACCT) is seeking applications for the ACCT Consensus Group. All materially affected persons are encouraged to complete and submit the application. The application period will be open until January 29, 2020. Applications must be forwarded via email to [standardsmanagement@acctinfo.org](mailto:standardsmanagement@acctinfo.org). Applications are available on the ACCT website at <https://www.acctinfo.org/page/ANSIASD>. Questions about the 15-member Consensus Group should be addressed to Scott Andrews, Policy Director at [scott.andrews@acctinfo.org](mailto:scott.andrews@acctinfo.org).

The ACCT Consensus Group is made up of 15 members of the challenge course and zip line community who are materially affected by the ANSI/ACCT 03-2019 Standards. The Consensus Group must maintain balance between those members representing vendors, users and general industry interest. All members of the community who have an interest or are affected by standards are encouraged to apply.

The ACCT Standards address the design, installation, and performance of challenge courses, zip lines, adventure parks and the operation and staff training for those sites.

Founded in 1993, the Association for Challenge Course Technology, (ACCT) is an American National Standards Institute (ANSI) Accredited Standards Developer focused exclusively on the challenge course, aerial adventure park, canopy tour and zipline industry. ACCT was responsible for the development of the first challenge course industry standards, published in 1994.

In 2006, ACCT became an ANSI Accredited Standards Developer and has maintained that status. This designation indicates that ACCT has an accredited standards development process that is open, fair and allows for equal representation of material affected parties



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

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

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

If you have a question about the ANS process and cannot find the answer quickly, please send an email to [psa@ansi.org](mailto:psa@ansi.org).

Please also visit Standards Boost Business at [www.standardsboostbusiness.org](http://www.standardsboostbusiness.org) for resources about why standards matter, testimonials, case studies, FAQs and more.

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



## INCITS Technical Committee on Digital Manufacturing Seeks Subject Matter Experts

[INCITS/Digital Manufacturing](#) represents the US in developing international standards supporting [ISO/IEC JTC 1/WG12](#) on 3D Printing and Scanning. The scope of this work includes the development of standards specifically relevant to digitally enabling the prototyping and manufacturing of physical objects. This can include nomenclature, frameworks, interfaces, protocol specifications, and format specifications required for facilitating the digital control of the production and supply of physical objects. This includes additive and subtractive fabrication and automated assembly and distribution.

Presently, a primary workgroup focus is the development of a “Framework for Additive Manufacturing Service Platform” (AMSP). The platform will define a general functional architecture based on identified requirements and will identify typical AMSP work modes, leveraging use cases. This will provide guidance for both developers and users when constructing an AMSP or improving existing platforms to support printing and associated relevant services.

Other potential areas being examined include an Overview and Vocabulary for 3D printing and scanning and for 4D printing.

Members of this US technical committee have a unique opportunity to make their voices heard on the development of international standards for digital manufacturing and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for international leadership roles. Currently, one of the US experts is a co-editor for the international project on the Framework for Additive Manufacturing Service Platform (AMSP).

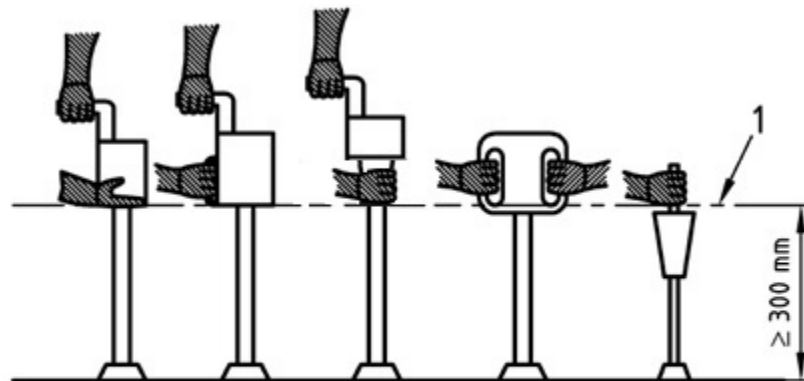
Virtual meetings are typically held monthly with one or two face-to-face meetings per year. Technical contributions and comments on draft standards by members are encouraged. All members are also eligible to attend the international meetings. To learn more about membership in INCITS/Digital Manufacturing, visit <http://www.incits.org/participation/membership-info> or contact Lynn Barra at [lbarra@itic.org](mailto:lbarra@itic.org).

## BSR/UL 763, Standard for Safety for Motor-Operated Commercial Food Preparing Machines

### 3. Proposed requirements for Immersion Blenders

**Figure 31.1**

**Safety distance between the grip zone and the tool**



Key  
1 Lower limit of the grip zone

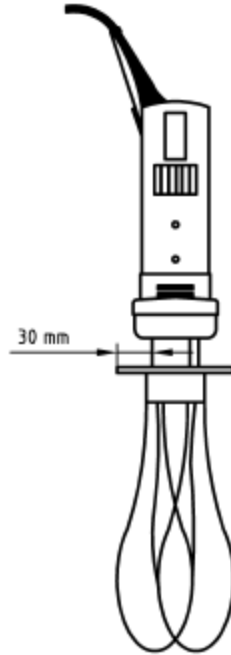
31.5 For wand-type mixer provided with a whisk or mixer attachment, a guard shall be provided to avoid accidental slipping of the hand into the rotating parts. The dimension of the guard shall be at least 1.2 inches (30 mm) greater than the dimensions of the grip zone specified by the manufacturer in all direction, and it shall be located between the grip zone and the rotating attachment as shown in Figure 31.2.

**Figure 31.2**

**Minimum dimension of protecting guard flange**

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31.6 The switch is considered to be recessed or guarded to reduce the risk of unintentional operation if a cylindrical rod, having a diameter of 1.58 inches (40 mm) and a hemispherical end, applied with a force not exceeding 1.1 lbf (5 N) perpendicular to the switch actuator, does not operate the unit.

NOTE: Based on the design of the product, if necessary, the appliance can be dis-assembled to conduct this test.

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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/17/2019	12/23/2019	Jan-3	2/2/2020	2/17/2020	3/3/2020
2	12/24/2019	12/30/2019	Jan-10	2/9/2020	2/24/2020	3/10/2020
3	12/31/2019	1/6/2020	Jan-17	2/16/2020	3/2/2020	3/17/2020
4	1/7/2020	1/13/2020	Jan-24	2/23/2020	3/9/2020	3/24/2020
5	1/14/2020	1/20/2020	Jan-31	3/1/2020	3/16/2020	3/31/2020
6	1/21/2020	1/27/2020	Feb-7	3/8/2020	3/23/2020	4/7/2020
7	1/28/2020	2/3/2020	Feb-14	3/15/2020	3/30/2020	4/14/2020
8	2/4/2020	2/10/2020	Feb-21	3/22/2020	4/6/2020	4/21/2020
9	2/11/2020	2/17/2020	Feb-28	3/29/2020	4/13/2020	4/28/2020
10	2/18/2020	2/24/2020	Mar-6	4/5/2020	4/20/2020	5/5/2020
11	2/25/2020	3/2/2020	Mar-13	4/12/2020	4/27/2020	5/12/2020
12	3/3/2020	3/9/2020	Mar-20	4/19/2020	5/4/2020	5/19/2020
13	3/10/2020	3/16/2020	Mar-27	4/26/2020	5/11/2020	5/26/2020
14	3/17/2020	3/23/2020	Apr-3	5/3/2020	5/18/2020	6/2/2020
15	3/24/2020	3/30/2020	Apr-10	5/10/2020	5/25/2020	6/9/2020
16	3/31/2020	4/6/2020	Apr-17	5/17/2020	6/1/2020	6/16/2020
17	4/7/2020	4/13/2020	Apr-24	5/24/2020	6/8/2020	6/23/2020
18	4/14/2020	4/20/2020	May-1	5/31/2020	6/15/2020	6/30/2020
19	4/21/2020	4/27/2020	May-8	6/7/2020	6/22/2020	7/7/2020
20	4/28/2020	5/4/2020	May-15	6/14/2020	6/29/2020	7/14/2020
21	5/5/2020	5/11/2020	May-22	6/21/2020	7/6/2020	7/21/2020
22	5/12/2020	5/18/2020	May-29	6/28/2020	7/13/2020	7/28/2020
23	5/19/2020	5/25/2020	Jun-5	7/5/2020	7/20/2020	8/4/2020
24	5/26/2020	6/1/2020	Jun-12	7/12/2020	7/27/2020	8/11/2020
25	6/2/2020	6/8/2020	Jun-19	7/19/2020	8/3/2020	8/18/2020
26	6/9/2020	6/15/2020	Jun-26	7/26/2020	8/10/2020	8/25/2020
27	6/16/2020	6/22/2020	Jul-3	8/2/2020	8/17/2020	9/1/2020
28	6/23/2020	6/29/2020	Jul-10	8/9/2020	8/24/2020	9/8/2020
29	6/30/2020	7/6/2020	Jul-17	8/16/2020	8/31/2020	9/15/2020



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30	7/7/2020	7/13/2020	<b>Jul-24</b>	8/23/2020	9/7/2020	9/22/2020
31	7/14/2020	7/20/2020	<b>Jul-31</b>	8/30/2020	9/14/2020	9/29/2020
32	7/21/2020	7/27/2020	<b>Aug-7</b>	9/6/2020	9/21/2020	10/6/2020
33	7/28/2020	8/3/2020	<b>Aug-14</b>	9/13/2020	9/28/2020	10/13/2020
34	8/4/2020	8/10/2020	<b>Aug-21</b>	9/20/2020	10/5/2020	10/20/2020
35	8/11/2020	8/17/2020	<b>Aug-28</b>	9/27/2020	10/12/2020	10/27/2020
36	8/18/2020	8/24/2020	<b>Sep-4</b>	10/4/2020	10/19/2020	11/3/2020
37	8/25/2020	8/31/2020	<b>Sep-11</b>	10/11/2020	10/26/2020	11/10/2020
38	9/1/2020	9/7/2020	<b>Sep-18</b>	10/18/2020	11/2/2020	11/17/2020
39	9/8/2020	9/14/2020	<b>Sep-25</b>	10/25/2020	11/9/2020	11/24/2020
40	9/15/2020	9/21/2020	<b>Oct-2</b>	11/1/2020	11/16/2020	12/1/2020
41	9/22/2020	9/28/2020	<b>Oct-9</b>	11/8/2020	11/23/2020	12/8/2020
42	9/29/2020	10/5/2020	<b>Oct-16</b>	11/15/2020	11/30/2020	12/15/2020
43	10/6/2020	10/12/2020	<b>Oct-23</b>	11/22/2020	12/7/2020	12/22/2020
44	10/13/2020	10/19/2020	<b>Oct-30</b>	11/29/2020	12/14/2020	12/29/2020
45	10/20/2020	10/26/2020	<b>Nov-6</b>	12/6/2020	12/21/2020	1/5/2021
46	10/27/2020	11/2/2020	<b>Nov-13</b>	12/13/2020	12/28/2020	1/12/2021
47	11/3/2020	11/9/2020	<b>Nov-20</b>	12/20/2020	1/4/2021	1/19/2021
48	11/10/2020	11/16/2020	<b>Nov-27</b>	12/27/2020	1/11/2021	1/26/2021
49	11/17/2020	11/23/2020	<b>Dec-4</b>	1/3/2021	1/18/2021	2/2/2021
50	11/24/2020	11/30/2020	<b>Dec-11</b>	1/10/2021	1/25/2021	2/9/2021
51	12/1/2020	12/7/2020	<b>Dec-18</b>	1/17/2021	2/1/2021	2/16/2021
52	12/8/2020	12/14/2020	<b>Dec-25</b>	1/24/2021	2/8/2021	2/23/2021