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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 26, 2020

### NSF (NSF International)

#### Revision

BSR/NSF 24-202x (i11r1), Plumbing System Components for Recreational Vehicles (revision of ANSI/NSF 24-2016)

This Standard covers pipe, fittings, valves, traps, vents, tanks, pumps, connectors, fixtures, appliances, and similar appurtenances used in a plumbing system of a recreational vehicle.

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

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider, (734) 418-6660, [jsnider@nsf.org](mailto:jsnider@nsf.org)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 25B-202x, Standard for Safety for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 25B-2018)

The following topic is being proposed: (1) Adding renewable diesel blends.

[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>

BSR/UL 79B-202x, Standard for Safety for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 79B-2016)

The following topic is being proposed: (1) Adding renewable diesel blends.

[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>

BSR/UL 60079-0-202x, Standard for Safety for Explosive Atmospheres - Part 0: General Requirements (revision of ANSI/UL 60079-0-2019)

This proposal for UL 60079-0 covers: (1) Revisions to add supplementary requirements for factory-wiring between enclosures; (2) Revisions to add electronic medium for required instructions.

[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: February 10, 2020

### ASME (American Society of Mechanical Engineers)

#### Revision

BSR/ASME A120.1-202x, Safety Requirements for Powered Platforms and Traveling Ladders and Gantries for Building Maintenance (revision of ANSI/ASME A120.1-2014)

This Standard establishes safety requirements for powered platforms (scaffolds) for buildings where window cleaning and related services are accomplished by means of suspended equipment at heights in excess of 35 ft (11 m) above a safe surface (e.g., grade, street, floor, or roof level). Additionally, this Standard establishes safety requirements for permanent traveling ladders and gantries (TLG).

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: Elijah Dominguez, (212) 591-8521, [domingueze@asme.org](mailto:domingueze@asme.org)

**ASSP (ASC A10) (American Society of Safety Professionals)*****New Standard***

BSR/ASSP A10.35-202x, Standard - Safe Pressure Testing of Steel and Copper Piping Systems Used in Construction and Demolition Operations (new standard)

This standard establishes the elements and activities for the safe pressure testing of steel and copper piping systems.

Single copy price: \$100.00

Obtain an electronic copy from: Tim Fisher; [TFisher@ASSP.Org](mailto:TFisher@ASSP.Org)

Order from: Tim Fisher, (847) 768-3411, [tfisher@assp.org](mailto:tfisher@assp.org)

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

**ASSP (ASC A10) (American Society of Safety Professionals)*****Revision***

BSR/ASSP A10.44-202x, Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations (revision of ANSI/ASSP A10.44-2014)

This standard establishes the minimum requirements for the control of energy sources to prevent release of harmful energy that could cause death, injury, or illness to personnel performing construction and demolition work.

Single copy price: \$125.00

Obtain an electronic copy from: Tim Fisher; [TFisher@ASSP.Org](mailto:TFisher@ASSP.Org)

Order from: Tim Fisher, (847) 768-3411, [tfisher@assp.org](mailto:tfisher@assp.org)

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

**AVIXA (Audiovisual and Integrated Experience Association)*****Revision***

BSR/AVIXA V201.01-202x, Image System Contrast Ratio (revision and redesignation of ANSI/INFOCOMM 3M-2011)

This Standard defines image system contrast, expressed as a ratio, and its measurement. It applies to permanently installed and temporary display systems and all displayed images regardless of AV technology (e.g., direct view display, rear projection, front projection). The AV image system includes the display, source equipment, signal path and distribution, and the room environment. System contrast ratio measurements are taken in the system's typical use case (e.g., classroom with ambient light and a video distribution system throughout the school). Four contrast ratios are defined and are based on content viewing requirements. Practical metrics to measure and validate the required contrast ratios are provided.

Single copy price: Free

Obtain an electronic copy from: [standards@avixa.org](mailto:standards@avixa.org)

Order from: [standards@avixa.org](mailto:standards@avixa.org)

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

**AWS (American Welding Society)*****New Standard***

BSR/AWS D18.1/D18.1M-202x, Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications (new standard)

This specification provides the requirements for welds in tubing systems in dairy and other food processing plants. The document addresses qualifications, fabrication, extent of visual examination, acceptance criteria, and documentation requirements.

Single copy price: \$34.00

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

Order from: Stephen Hedrick, (305) 443-9353, [steveh@aws.org](mailto:steveh@aws.org)

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

BSR/AWS D18.2/D18.2M-202x, Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube (new standard)

This standard addresses factors that affect weld discoloration on the inside of austenitic stainless steel tube. The document contains a color illustration relating the discoloration to the oxygen content of the backing shielding gas.

Single copy price: \$32.00

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

Order from: Stephen Hedrick, (305) 443-9353, [steveh@aws.org](mailto:steveh@aws.org)

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

## ISA (International Society of Automation)

### *New Standard*

BSR/ISA 95.00.08-202x, Enterprise-Control System Integration - Part 8: Information Exchange Profiles (new standard)

The Part 8 standard aids in implementations of the ISA 95 series of standards for application integration.

Single copy price: \$99.00 usd

Obtain an electronic copy from: [crobinson@isa.org](mailto:crobinson@isa.org)

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

## NECA (National Electrical Contractors Association)

### *New Standard*

BSR/NECA 331-202X, Standard for Installing Building Service Entrance Grounding (new standard)

This standard describes installation procedures for building and service entrance grounding as well as building interior bonding and grounding. The information provided in this standard is intended to define what is meant by installing equipment in a "neat and workmanlike manner".

Single copy price: \$25.00 (NECA members), \$55.00 (nonmembers)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Order from: Aga Golriz, (301) 215-4549, [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)

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

BSR/NECA 402-202X, Standard for Installing and Maintaining Motor Control Centers (new standard)

This standard describes the installation and maintenance for low-voltage motor control centers (MMC) rated 600 VAC or less with horizontal bus rating of 2,500 amperes or less.

Single copy price: \$25.00 (NECA members), \$55.00 (nonmembers)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Order from: Aga Golriz, (301) 215-4549, [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)

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

## NEMA (ASC C37) (National Electrical Manufacturers Association)

### *Revision*

BSR C37.55-202x, Standard for Switchgear - Medium Voltage Metal-Clad Assemblies - Conformance Test Procedures (revision of ANSI C37.55-2003 (R2010))

This Standard is a conformance testing standard optionally applicable to all medium-voltage metal-clad switchgear assemblies designed, tested, and manufactured in accordance with IEEE Std. C37.20.2, Metal-Clad Switchgear. This standard covers selected tests to demonstrate conformance of the basic switchgear section (which includes the structure, circuit breaker compartments, instrument compartments, buses, and internal connections) with the "Tests" clause of IEEE Std. C37.20.2. In this standard, the use of the term "MC switchgear" shall be considered to mean "metal-clad switchgear." The use of the term "circuit breaker" shall be considered to mean "indoor alternating current medium-voltage circuit breakers (rated above 1000 volts) applied as removable elements in metal-enclosed switchgear assemblies," unless qualified by other descriptive terms.

Single copy price: Free

Order from: Gerard Winstanley, (703) 841-3231, [Gerard.Winstanley@nema.org](mailto:Gerard.Winstanley@nema.org)

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

## TIA (Telecommunications Industry Association)

### *New National Adoption*

BSR/TIA 455-191-C-202x, Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (identical national adoption of IEC-60793-1-45)

The current version of this document references an IEC version with errors. The most recent version of the IEC document addresses these errors, but we have not yet adopted the version.

Single copy price: \$95.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: TIA; [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

BSR/TIA 492AAAF-202x, Detail Specification for Class 1a graded-index multimode optical fibers; Modification of IEC 60793-2-10:2017, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (national adoption with modifications of IEC 60793-2-10:2017)

Adapt with modifications IEC 60793-2-10:2017 as ANSI/TIA 492AAAF. The modifications include: (1) Those described for ANSI/TIA 4920000-C; (2) Addition of minimum EMB information from 84.

Single copy price: \$116.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: TIA; [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

BSR/TIA 492CAAC-202x, Detail Specification for Class IVA Dispersion Unshifted Single Mode Optical Fibers with Water Peak (national adoption with modifications of IEC 607932-50-2:2015)

Adapt IEC 60793-2-50:2015 as ANSI/TIA 492CAAC. The modifications may include: (1) Those described for ANSI/TIA 4920000-C, Because IEC standard 60793-2-50 contains detail and sectional specifications, ANSI/TIA 492CAAC cancels and replaces: TIA 492C000, 492E000 sectional specifications; TIA 492CA00, 492EA00 blank detail specifications; TIA 492CAAA, 492CAAB detail specifications. Justification: Improve harmonization of ANSI specifications with IEC specifications.

Single copy price: \$103.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: TIA; [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

## **WDMA (Window and Door Manufacturers Association)**

### ***Revision***

BSR/WDMA I.S.1A-202x, Industry Standard for Interior Architectural Wood Flush Doors (revision of ANSI/WDMA I.S.1A-2013)

WDMA I.S.1A, Industry Standard for Interior Architectural Wood Flush Doors, defines the aesthetic grades and performance duty levels for interior architectural wood flush doors. The standard identifies the performance requirements and test methods that products complying with the standard are evaluated on an equal basis. The standard provides a logical system of references, keyed to a guide specification, to facilitate thorough, precise and accurate architectural specifications.

Single copy price: Free

Obtain an electronic copy from: <https://www.wdma.com/page/WDMAIS1A-20XXInteriorArchitecturalWoodFlushDoors>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Comments may be submitted electronically on the WDMA ballot page <https://www.wdma.com/page/WDMAIS1A-20XXInteriorArchitecturalWoodFlushDoors> or emailed to Steve Orłowski at [sorlowski@wdma.com](mailto:sorlowski@wdma.com)

## **Comment Deadline: February 25, 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 PTC 39-2005 (R202x), Steam Traps (reaffirmation of ANSI/ASME PTC 39-2005 (R2010))

This Code covers steam traps which are devices used for removing condensate and noncondensibles from steam systems.

Single copy price: \$104.00

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: Michelle Pagano ☐, (212) 591-8399, [paganom@asme.org](mailto:paganom@asme.org)

## **ASME (American Society of Mechanical Engineers)**

### **Revision**

BSR/ASME A112.19.7/CSA B45.10-202x, Hydromassage Bathtub Appliances (revision of ANSI/ASME A112.19.7/CSA B45.10-2012 (2017))

This Standard specifies general requirements, test methods, and markings for whirlpool and air-jetted bathtubs and suction fittings used in hydromassage bathtub systems that incorporate a bathtub and circulation pump. The circulation pump can be with or without (a) a piping system; and (b) induction of air (which can be achieved by integral suction or through an air pump).

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: Angel Guzman, (212) 591-8018, [guzman@asme.org](mailto:guzman@asme.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:

## **SCTE (Society of Cable Telecommunications Engineers)**

BSR/SCTE IPS SP 704-200x, Specifications for System Design Data and Symbols (new standard)

Inquiries may be directed to Kim Cooney, (800) 542-5040, [kcooney@scte.org](mailto:kcooney@scte.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.

## AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 14708-1-202x, Implants for surgery - Active implantable medical devices - Part 1: General requirements for safety, marking and for information to be provided by the manufacturer (identical national adoption of ISO 14708-1 (in development) and revision of ANSI/AAMI/ISO 14708-1-2014)

## AGSC (Auto Glass Safety Council)

**Contact:** Debra Levy  
**Phone:** (540) 720-7484  
**E-mail:** [deb@glass.com](mailto:deb@glass.com)  
**Office:** 20 PGA Drive, Suite 201  
 Stafford, VA 22554

BSR/AGSC/ROLAGS 2 001-20-202x, Auto Glass Safety Council/Repair of Laminated Automotive Glass Standard 2 (new standard)

## ASSP (ASC A10) (American Society of Safety Professionals)

**Contact:** Tim Fisher  
**Phone:** (847) 768-3411  
**E-mail:** [TFisher@ASSP.org](mailto:TFisher@ASSP.org)  
**Office:** 520 N. Northwest Highway  
 Park Ridge, IL 60068

BSR/ASSP A10.35-202x, Standard - Safe Pressure Testing of Steel and Copper Piping Systems Used in Construction and Demolition Operations (new standard)

BSR/ASSP A10.44-202x, Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations (revision of ANSI/ASSP A10.44-2014)

## CTA (Consumer Technology Association)

**Contact:** Veronica Lancaster  
**Phone:** (703) 907-7697  
**E-mail:** [vlancaster@cta.tech](mailto:vlancaster@cta.tech)  
**Office:** 1919 South Eads Street  
 Arlington, VA 22202

BSR/CTA 2034-A-2015 (R202x), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015)

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

**Contact:** Barbara Bennett  
**Phone:** (202) 737-8888  
**E-mail:** [comments@standards.incits.org](mailto:comments@standards.incits.org)  
**Office:** 700 K Street NW  
 Suite 600  
 Washington, DC 20001

INCITS 571-202x, Information technology - SCSI Block Commands - 5 (SBC-5) (new standard)

INCITS 572-202x, Information technology - UAS-3 USB Attached SCSI-3 (UAS-3) (new standard)

## NECA (National Electrical Contractors Association)

**Contact:** Aga Golriz  
**Phone:** (301) 215-4549  
**E-mail:** [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)  
**Office:** 3 Bethesda Metro Center  
 Suite 1100  
 Bethesda, MD 20814

BSR/NECA 402-202X, Standard for Installing and Maintaining Motor Control Centers (new standard)

## NSF (NSF International)

**Contact:** Jason Snider  
**Phone:** (734) 418-6660  
**E-mail:** [jsnider@nsf.org](mailto:jsnider@nsf.org)  
**Office:** 789 N. Dixboro Road  
 Ann Arbor, MI 48105-9723

BSR/NSF 24-202x (i11r1), Plumbing System Components for Recreational Vehicles (revision of ANSI/NSF 24-2016)

## TIA (Telecommunications Industry Association)

**Contact:** Teesha Jenkins  
**Phone:** (703) 907-7706  
**E-mail:** [standards@tiaonline.org](mailto:standards@tiaonline.org)  
**Office:** 1320 North Courthouse Road  
 Suite 200  
 Arlington, VA 22201

BSR/TIA 455-191-C-202x, Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (identical national adoption of IEC-60793-1-45)

BSR/TIA 492AAAF-202x, Detail Specification for Class 1a graded-index multimode optical fibers; Modification of IEC 60793-2-10:2017, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (national adoption with modifications of IEC 60793-2-10:2017)

BSR/TIA 492CAAC-202x, Detail Specification for class IVA Dispersion Unshifted Single Mode Optical Fibers with Water Peak (national adoption with modifications of IEC 607932-50-2:2015)

**WDMA (Window and Door Manufacturers Association )**

**Contact:** Steve Orłowski

**Phone:** (202) 367-1157

**E-mail:** sorłowski@wdma.com

**Office:** 2025 M Street NW, Suite 800  
Washington, DC 20036-3309

BSR/WDMA I.S.1A-202x, Industry Standard for Interior Architectural Wood Flush Doors (revision of ANSI/WDMA I.S. 1A-2013)



## **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.

## AAFS (American Academy of Forensic Sciences)

### *New Standard*

ANSI/ASB Std 030-2019, Standards for a Quality Assurance Program in Bloodstain Pattern Analysis (new standard): 12/16/2019

ANSI/ASB Std 044-2019, Standard for the Examination of Documents for Indentations (new standard): 12/16/2019

ANSI/ASB Std 090-2019, Standard for Sex Assessment in Forensic Anthropology (new standard): 12/16/2019

## AAMI (Association for the Advancement of Medical Instrumentation)

### *Addenda*

ANSI/AAMI/ISO 80369-3/Amd1-2019, Small-bore connectors for liquids and gases in healthcare applications - Part 3: Connectors for enteral applications/Amd1 (addenda to ANSI/AAMI/ISO 80369-3-2016): 12/16/2019

### *New National Adoption*

ANSI/AAMI/ISO 11737-2-2019, Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process (identical national adoption of ISO 11737-2 (in development) and revision of ANSI/AAMI/ISO 11737-2-2009 (R2014)): 12/16/2019

### *Revision*

ANSI/AAMI/ISO 80369-1-2018, Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements (revision of ANSI/AAMI/ISO 80369-1-2010): 12/16/2019

## AGMA (American Gear Manufacturers Association)

### *New Standard*

ANSI/AGMA 1107-AXX-2019, Tolerance Specification for Form Milling Cutters (new standard): 12/17/2019

### *Reaffirmation*

ANSI/AGMA 2011-B14-2014 (R2019), Cylindrical Wormgearing Tolerance and Inspection Methods (reaffirmation of ANSI/AGMA 2011-B14-2014): 12/17/2019

## ANS (American Nuclear Society)

### *New Standard*

ANSI/ANS 2.8-2019, Probabilistic Evaluation of External Flood Hazards for Nuclear Facilities (new standard): 12/17/2019

## APCO (Association of Public-Safety Communications Officials-International)

### *New Standard*

ANSI/APCO 3.110.1-2019, Cyber Security Training for Public Safety Communications Personnel (new standard): 12/17/2019

## ASABE (American Society of Agricultural and Biological Engineers)

### *Reaffirmation*

ANSI/ASABE S598 JAN2010 (R2019), Procedure for Sampling, Measuring and Reporting Commingled Crop in Combine Harvest of a Subsequent Crop (reaffirmation of ANSI/ASABE S598 JAN2010 (R2014)): 12/17/2019

ANSI/ASABE S607 OCT2007 (R2019), Ventilating Manure Storages to Reduce Entry Risk (reaffirmation of ANSI/ASABE S607 OCT2007 (R2014)): 12/17/2019

ANSI/ASAE EP389.2 JUN1993 (R2019), Auger Flighting Design Considerations (reaffirmation of ANSI/ASAE EP389.2 JUN1993 (R2015)): 12/17/2019

ANSI/ASAE S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (reaffirmation of ANSI/ASAE S343.4-2015): 12/17/2019

ANSI/ASAE S355.5 SEP2015 (R2019), Safety Practices for Agricultural Front-End Loaders (reaffirmation of ANSI/ASAE S355.5 MONYEAR-2015): 12/17/2019

ANSI/ASAE S392.2 APR2005 (R2019), Cotton Module Builder and Transporter Standard (reaffirmation of ANSI/ASAE S392.2 APR2005 (R2015)): 12/17/2019

ANSI/ASAE S418.1 OCT2010 (R2019), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2014)): 12/17/2019

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

### *Addenda*

ANSI/ASHRAE Addendum 62.1ao-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 12/12/2019

ANSI/ASHRAE Addendum f to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 12/12/2019

ANSI/ASHRAE/ASHE Addendum 170q-2019, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2017): 12/12/2019

ANSI/ASRHAIE/ICC/USGBC/IES Addendum r to ANSI/ASRHAIE/ICC/USGBC/IES Standard 189.1-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 12/12/2019

## ASTM (ASTM International)

### *Revision*

ANSI/ASTM D7566-2019, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2019): 12/15/2019

ANSI/ASTM E136-2019, Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2019): 12/15/2019

ANSI/ASTM E2231-2019, Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2231-2018): 12/15/2019

ANSI/ASTM E2573-2019, Practice for Specimen Preparation and Mounting of Site-Fabricated Stretch Systems to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2573-2017): 12/15/2019

ANSI/ASTM E2989-2019, Guide for Assessment of Continued Applicability of Reaction to Fire Test Reports Used in Building Regulation (revision of ANSI/ASTM E2989-2019): 12/15/2019

## **B11 (B11 Standards, Inc.)**

### **Revision**

ANSI B11.0-2019, Safety of Machinery (revision of ANSI B11.0-2015): 12/16/2019

## **BICSI (Building Industry Consulting Service International)**

### **New Standard**

ANSI/BICSI N3-2019, Planning and Installation Methods for the Bonding and Grounding of Telecommunication and ICT Systems and Infrastructure (new standard): 12/17/2019

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

### **Revision**

- \* ANSI/CTA 2006-C-2019, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-B-2009 (R2019)): 12/16/2019
- \* ANSI/CTA 2031-A-2019, Testing and Measurement Methods for In-Vehicle Loudspeaker Systems (revision and redesignation of ANSI/CTA 2031-2008 (R2014)): 12/16/2019

## **IES (Illuminating Engineering Society)**

### **New Standard**

ANSI/IES RP-40-2019, Recommended Practice: Lighting Port Terminals (new standard): 12/17/2019

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

### **Reaffirmation**

INCITS 519-2014 [R2019], Information technology - Serial Attached SCSI-3 (SAS-3) (reaffirmation of INCITS 519-2014): 12/16/2019

## **SCTE (Society of Cable Telecommunications Engineers)**

### **Revision**

ANSI/SCTE 195-2019, XFP-RF: Interface Specifications for an RF-Modulated Small Form Factor Pluggable Optical Module (revision of ANSI/SCTE 195-2013): 12/17/2019

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

### **Revision**

ANSI/TIA 102.BAEB-C-2019, IP Data Bearer Service Specification (revision and redesignation of ANSI/TIA 102.BAEB-B-2014): 12/16/2019

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

### **New National Adoption**

ANSI/UL 62368-1-2019, Standard for Safety for Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements (national adoption of IEC 62368-1 with modifications and revision of ANSI/UL 62368-1-2014): 12/13/2019

### **New Standard**

ANSI/UL 62841-3-1000-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1000: Particular Requirements for Transportable Laser Engravers (new standard): 12/13/2019

### **Reaffirmation**

ANSI/UL 1694-2010 (R2019), Standard for Safety for Tests for Flammability of Small Polymeric Component Materials (reaffirmation of ANSI/UL 1694-2010 (R2015)): 11/25/2019

### **Revision**

ANSI/UL 87A-2019a, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2019): 12/12/2019

ANSI/UL 87B-2019a, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2019): 12/12/2019

ANSI/UL 101-2019, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 101-2018): 12/13/2019

ANSI/UL 144-2019, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2014): 12/10/2019

ANSI/UL 486A-486B-2019, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2018): 12/16/2019

ANSI/UL 1558-2019, Standard for Safety for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear (revision of ANSI/UL 1558-2016a): 11/6/2019

ANSI/UL 2703-2019d, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703-2019): 12/16/2019

ANSI/UL 62841-2-5-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws (revision of ANSI/UL 62841-2-5-2016): 12/13/2019

# 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.

## AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer, (703) 253-8274, [jmoyer@aami.org](mailto:jmoyer@aami.org)  
901 N. Glebe Road, Suite 300, Arlington, VA 22203

### New National Adoption

BSR/AAMI/ISO 14708-1-202x, Implants for surgery - Active implantable medical devices - Part 1: General requirements for safety, marking and for information to be provided by the manufacturer (identical national adoption of ISO 14708-1 (in development) and revision of ANSI/AAMI/ISO 14708-1-2014)

Stakeholders: Manufacturers, regulators, general interest.

Project Need: This document is being revised to update several sections to state of the art and to align with the recently revised ISO/TR 14283.

Specifies requirements that are generally applicable to active implantable medical devices. The tests that are specified in this document are type tests and are to be carried out on samples of an active implantable medical device to show compliance. This document is applicable not only to active implantable medical devices that are electrically powered but also to those powered by other energy sources. This document is also applicable to some non-implantable parts and accessories of the active implantable medical devices.

## AGA (ASC Z380) (American Gas Association)

Contact: Betsy Tansey, (202) 824-7339, [btansey@aga.org](mailto:btansey@aga.org)  
400 North Capitol Street, NW, Suite 450, Washington, DC 20001

### Revision

BSR/GPTC Z380.1-202x, Guide for Gas Transmission, Distribution and Gathering Piping Systems (revision of ANSI/GPTC Z380.1-2018, Addendum No. 5-2019)

Stakeholders: Natural and LP gas transmission, distribution, and gathering piping system operators; federal and state regulatory agencies involved in enforcement activities; manufacturers and suppliers of material and equipment to the industry.

Project Need: Update guidance material to reflect current and new regulations and industry practice, issue addenda as necessary to update the 2018 version of the standard.

The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

## AGSC (Auto Glass Safety Council)

Contact: Debra Levy, (540) 720-7484, [deb@glass.com](mailto:deb@glass.com)  
20 PGA Drive, Suite 201, Stafford, VA 22554

### New Standard

BSR/AGSC/ROLAGS 2 001-20-202x, Auto Glass Safety Council/Repair of Laminated Automotive Glass Standard 2 (new standard)

Stakeholders: Automotive glass repair technicians, manufacturers, and windshield repair suppliers.

Project Need: With the demise of the National Windshield Repair Association, a standard for repair of auto glass needs to be reconstituted under the auspices of the Auto Glass Safety Council, as it is the only standard that addresses repair (as opposed to replacement) of auto glass.

A laminated automotive glass repair standard addressing procedures, education, and product performance.

## ASABE (American Society of Agricultural and Biological Engineers)

Contact: *Carla VanGilder, (269) 932-7015, vangilder@asabe.org*  
*2950 Niles Road, Saint Joseph, MI 49085*

### **New Standard**

BSR/ASAE S583.2 MONYEAR-202x, Safety for Agricultural Front End Loaders (new standard)

Stakeholders: Loader manufacturers, attachment manufacturers, tractors manufacturers, users.

Project Need: The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of front loaders on agricultural tractors.

Project scope has been expanded: This standard specifies safety requirements for the design and construction of agricultural front end loaders (front loaders) designed to be mounted on agricultural two-wheel drive tractors and four-wheel drive tractors with unequal sized wheels (as defined in ANSI/ASAE 390.6 (ISO 12934:2013) sections 3.1.2 and 3.1.3.1).

## 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*

### **New Standard**

BSR/ASME V&V 70-202x, Verification and Validation of Machine Learning Algorithms (new standard)

Stakeholders: Designers, general interest, laboratory, producers/manufacturers, regulatory/government, consultants, and users including data scientists.

Project Need: There are currently no consensus standards covering this topic.

This standard will provide procedures for assessing and quantifying the credibility of machine learning algorithms applied to mechanistic and process modeling.

BSR/ASME Y14.39-202x, Preferred Limits and Fits (new standard)

Stakeholders: Manufacturing industries including aerospace, automotive, and medical.

Project Need: No standard exists that addresses modern applications of limits and fits within the US manufacturing industry.

This standard describes the U.S. Customary and Metric limits and fits for mating parts. It provides terminology and symbols used to define limits and fits for engineering product definition, preferred base sizes (first and second choices), preferred tolerances (first, second, and third choices), tolerances for base sizes from 500 mm to 3150 mm, and preferred limits and fits for sizes (first choice only) up to and including 20 in. and 500 mm.

## ASTM (ASTM International)

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

### **New Standard**

BSR/ASTM WK68382-202x, New Practice for Performing a Measurement System Analysis Study where the Measurement System Is Altered by Each Replicate Measurement (new standard)

Stakeholders: Metrology industry.

Project Need: The traditional Gage R&R study is not suitable for applications that involve torque. The application of torque changes the bolt/joint characteristics permanently, so having "3 operators check 10 parts, 3 times" would produce a large variation that is not seen during the normal process. Many IATF-certified organizations may have devised ad-hoc methods to address torque MSA studies. However, there is a need for an industry-wide accepted solution. This work could potentially fill that gap.

To develop a ASTM/NCSLI standard recommended practice for the performance of MSA, that can be applied to situations where the measured article is part of the measurement system and is altered by replicated measurements. This could include destructive testing or attribute testing.

BSR/ASTM WK71038-202x, New Test Method for Standard Test Method for Determination of Elements in Manufactured Carbons and Graphite by Glow Discharge Mass Spectrometry Techniques (new standard)

Stakeholders: Manufactured Carbon and Graphite Products industry.

Project Need: No single method is preferred for impurity testing of graphite. ASTM Test Method C560 describes a range of wet chemistry procedures of graphite for colorimetry analysis of Si, Fe, Ca, Al, Ti, V, and B. Techniques that require digestion and ashing prior to analysis can result in the loss of volatile elements, which is undesirable.

The proposed GDMS test method does not require solvent extraction nor does it require an ashing aid and can be used on powder, flake, or solid graphite materials. The proposed GDMS method analyzes the samples at laboratory pressures and under fast flow which reduces the effect of carbonic acid generation during the test which can cause self-cleaning of the graphite and an under reporting of impurities.

## **AWWA (American Water Works Association)**

Contact: Paul Olson, (303) 347-6178, polson@awwa.org  
6666 W. Quincy Ave., Denver, CO 80235

### **New Standard**

BSR/AWWA C11X/A21.1X-202x, Polyurethane Coating for the Interior and Exterior of Ductile Iron Water Pipe (new standard)

Stakeholders: Drinking Water Treatment and Supply industry; Water utilities, consulting engineers, water treatment equipment manufacturers, and so on.

Project Need: There is a growing demand for bonded dielectric coatings for ductile-iron water pipe. Polyurethane has been successfully used as a corrosion barrier for ductile iron pipe and is being specified, as a corrosion protection system, by consulting engineers and municipalities.

This standard describes polyurethane coatings for the interior and exterior surfaces of ductile-iron and gray-iron fittings used for raw water, potable water, reclaimed water systems, and nonaggressive wastewaters. The standard describes the material, application, and performance requirements for these coatings.

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

Contact: David Zimmerman, (216) 524-4990, ansi.contact@csagroup.org  
8501 E. Pleasant Valley Road, Cleveland, OH 44131

### **New National Adoption**

BSR/CSA FC-1-202x, Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety (national adoption of IEC 62282-3-100:2019 with modifications and revision of ANSI/CSA FC-1-2014 (R2018))

Stakeholders: Stationary fuel cell manufacturers, stationary fuel cell users, and stationary fuel cell component suppliers.

Project Need: The IEC standard has been updated to a new edition and therefore the US and Canadian deviations will be reviewed/revised to the new IEC edition.

The Standard is an adoption with U.S. and Canadian deviations of the identically titled IEC (International Electrotechnical Commission) Standard 62282-3-100 (second edition, 2019-02). The Standard applies to stationary packaged, self-contained fuel cell power systems or fuel cell power systems comprised of factory-matched packages of integrated systems which generate electricity through electrochemical reactions.

### **Revision**

BSR NGV 4.8/CSA 12.8-202x, Natural gas vehicle fueling station compressor packages (revision of ANSI NGV 4.8/CSA 12.8-2012 (R2016))

Stakeholders: Natural gas vehicle compressors manufacturers and natural gas vehicle fueling stations.

Project Need: The Standard is being reviewed/revised for the possibility of incorporating additional compressor technologies beyond reciprocating compressors.

This Standard describes the general requirements for compressor packages used in compressed natural gas fueling station service.

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

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

### **Reaffirmation**

BSR/CTA 2034-A-2015 (R202x), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015)

Stakeholders: Consumers, retailers, manufacturers.

Project Need: To reaffirm ANSI/CTA 2034-A.

This standard describes how to determine the frequency response, directivity, and maximum output capability of a residential loudspeaker. It is intended to determine the audio performance of a loudspeaker, not the loudspeakers ability to survive a given input signal. This standard applies only to loudspeaker systems, and not to raw transducers.

## **IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

Contact: Kyle Thompson, (909) 230-5534, standards@iapmostandards.org  
5001 East Philadelphia Street, Ontario, CA 91761

### **New Standard**

BSR/IAPMO Z1117-202x, Press Connections (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors designers, and contractors.

Project Need: Needed for testing and certification purposes.

This Standard covers press connections made with: (a) copper or copper alloy fittings and Type K, L, and M copper tube; (b) carbon steel fittings and Schedule 10 and 40 carbon steel pipe; (c) stainless steel fittings and Schedule 5, 10, and 40 stainless steel pipe; or (d) stainless steel fittings and stainless steel pipe complying with the dimensions specified in Table 1. This Standard specifies requirements for materials, physical characteristics, performance testing, and markings. Products covered by this Standard include fittings, tube, and pipe with press connection ends combined with other types of connections (e.g., threaded, soldered, and push-fit). Carbon steel fittings and pipe covered by this Standard are not intended to be used in plumbing systems.

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

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

### **New Standard**

INCITS 571-202x, Information technology - SCSI Block Commands - 5 (SBC-5) (new standard)

Stakeholders: ICT industry.

Project Need: Consumers and developers of SCSI data storage devices and systems benefit from this project through a wider variety of value propositions in products available on the open market.

SCSI Block Commands - 5 is an update of SCSI Block Commands - 4 (SBC-4). The following items should be considered for inclusion in SCSI Block Commands - 5: (1) Enhancements to block commands; (2) corrections and clarifications; and (3) other capabilities that may fit within the scope of this project.

INCITS 572-202x, Information technology - UAS-3 USB Attached SCSI-3 (UAS-3) (new standard)

Stakeholders: ICT industry.

Project Need: Consumers and developers of USB-connected SCSI data storage devices benefit from this project through a wider variety of value propositions in products available on the open market.

USB Attached SCSI-3 is the next generation of USB Attached SCSI Standards. This standard should support the following features in support of the USB-2 and USB-3 specifications: (1) Allow the device to switch data transfers from one command to another before the current command is complete; and (2) other capabilities that may fit within the scope of this project.

# 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).

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|--|---|--|--|
| <p><b>AAFS</b><br/>American Academy of Forensic Sciences<br/>410 North 21st Street<br/>Colorado Springs, CO 80904<br/>Phone: (719) 453-1036<br/>Web: <a href="http://www.aafs.org">www.aafs.org</a></p>  | <p><b>ASHRAE</b><br/>American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.<br/>1791 Tullie Circle, NE<br/>Atlanta, GA 30329<br/>Phone: (678) 539-1214<br/>Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p> | <p><b>BICSI</b><br/>Building Industry Consulting Service International<br/>8610 Hidden River Parkway<br/>Tampa, FL 33637<br/>Phone: (813) 903-4712<br/>Web: <a href="http://www.bicsi.org">www.bicsi.org</a></p>                             | <p><b>NEMA (ASC C37)</b><br/>National Electrical Manufacturers Association<br/>1300 North 17th Street<br/>Suite 900<br/>Rosslyn, VA 22209<br/>Phone: (703) 841-3231<br/>Web: <a href="http://www.nema.org">www.nema.org</a></p>  |
| <p><b>AAMI</b><br/>Association for the Advancement of Medical Instrumentation<br/>901 N. Glebe Road, Suite 300<br/>Arlington, VA 22203<br/>Phone: (703) 253-8261<br/>Web: <a href="http://www.aami.org">www.aami.org</a></p>                     | <p><b>ASME</b><br/>American Society of Mechanical Engineers<br/>Two Park Avenue<br/>M/S 6-2B<br/>New York, NY 10016-5990<br/>Phone: (212) 591-8489<br/>Web: <a href="http://www.asme.org">www.asme.org</a></p>                                  | <p><b>CSA</b><br/>CSA America Standards Inc.<br/>8501 E. Pleasant Valley Road<br/>Cleveland, OH 44131<br/>Phone: (216) 524-4990<br/>Web: <a href="http://www.csagroup.org">www.csagroup.org</a></p>  | <p><b>NSF</b><br/>NSF International<br/>789 N. Dixboro Road<br/>Ann Arbor, MI 48105-9723<br/>Phone: (734) 418-6660<br/>Web: <a href="http://www.nsf.org">www.nsf.org</a></p>   |
| <p><b>AGA (ASC Z380)</b><br/>American Gas Association<br/>400 North Capitol Street, NW<br/>Suite 450<br/>Washington, DC 20001<br/>Phone: (202) 824-7339<br/>Web: <a href="http://www.aga.org">www.aga.org</a></p>                                | <p><b>ASSP (Safety)</b><br/>American Society of Safety Professionals<br/>520 N. Northwest Highway<br/>Park Ridge, IL 60068<br/>Phone: (847) 768-3411<br/>Web: <a href="http://www.assp.org">www.assp.org</a></p>                                | <p><b>CTA</b><br/>Consumer Technology Association<br/>1919 South Eads Street<br/>Arlington, VA 22202<br/>Phone: (703) 907-7697<br/>Web: <a href="http://www.cta.tech">www.cta.tech</a></p>   | <p><b>SCTE</b><br/>Society of Cable Telecommunications Engineers<br/>140 Philips Rd<br/>Exton, PA 19341<br/>Phone: (800) 542-5040<br/>Web: <a href="http://www.scte.org">www.scte.org</a></p>                                    |
| <p><b>AGMA</b><br/>American Gear Manufacturers Association<br/>1001 N Fairfax Street<br/>5th Floor<br/>Alexandria, VA 22314-1587<br/>Phone: (703) 684-0211<br/>Web: <a href="http://www.agma.org">www.agma.org</a></p>                           | <p><b>ASTM</b><br/>ASTM International<br/>100 Barr Harbor Drive<br/>West Conshohocken, PA 19428-2959<br/>Phone: (610) 832-9744<br/>Web: <a href="http://www.astm.org">www.astm.org</a></p>  | <p><b>IAPMO (Z)</b><br/>International Association of Plumbing &amp; Mechanical Officials<br/>5001 East Philadelphia Street<br/>Ontario, CA 91761<br/>Phone: (909) 230-5534<br/>Web: <a href="http://www.iapmort.org">www.iapmort.org</a></p> | <p><b>TIA</b><br/>Telecommunications Industry Association<br/>1320 North Courthouse Road<br/>Suite 200<br/>Arlington, VA 22201<br/>Phone: (703) 907-7706<br/>Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>   |
| <p><b>AGSC</b><br/>Auto Glass Safety Council<br/>20 PGA Drive, Suite 201<br/>Stafford, VA 22554<br/>Phone: (540) 720-7484<br/>Web: <a href="http://www.agsc.org">www.agsc.org</a></p>  | <p><b>AVIXA</b><br/>Audiovisual and Integrated Experience Association<br/>11242 Waples Mill Rd Suite 200<br/>Suite 200<br/>Fairfax, VA 22030<br/>Phone: (703) 273-7200<br/>Web: <a href="http://www.avixa.org">www.avixa.org</a></p>            | <p><b>IES</b><br/>Illuminating Engineering Society<br/>120 Wall Street, Floor 17<br/>New York, NY 10005<br/>Phone: (917) 913-0027<br/>Web: <a href="http://www.ies.org">www.ies.org</a></p>  | <p><b>UL</b><br/>Underwriters Laboratories, Inc.<br/>47173 Benicia Street<br/>Fremont, CA 94538<br/>Phone: (510) 319-4259<br/>Web: <a href="http://www.ul.com">www.ul.com</a></p>  |
| <p><b>ANS</b><br/>American Nuclear Society<br/>555 North Kensington Avenue<br/>La Grange Park, IL 60526<br/>Phone: (708) 579-8268<br/>Web: <a href="http://www.ans.org">www.ans.org</a></p>  | <p><b>AWS</b><br/>American Welding Society<br/>8669 NW 36 Street, #130<br/>Miami, FL 33166<br/>Phone: (305) 443-9353<br/>Web: <a href="http://www.aws.org">www.aws.org</a></p>  | <p><b>ISA (Organization)</b><br/>International Society of Automation<br/>67 Alexander Drive<br/>Research Triangle Park, NC 27709<br/>Phone: (919) 990-9213<br/>Web: <a href="http://www.isa.org">www.isa.org</a></p>                         | <p><b>WDMA</b><br/>Window and Door Manufacturers Association<br/>2025 M Street NW, Suite 800<br/>Washington, DC 20036-3309<br/>Phone: (202) 367-1157<br/>Web: <a href="http://www.wdma.com">www.wdma.com</a></p>                 |
| <p><b>APCO</b><br/>Association of Public-Safety Communications Officials-International<br/>351 N. Williamson Boulevard<br/>Daytona Beach, FL 32114<br/>Phone: (920) 579-1153<br/>Web: <a href="http://www.apcolntl.org">www.apcolntl.org</a></p> | <p><b>AWWA</b><br/>American Water Works Association<br/>6666 W. Quincy Ave.<br/>Denver, CO 80235<br/>Phone: (303) 347-6178<br/>Web: <a href="http://www.awwa.org">www.awwa.org</a></p>  | <p><b>ITI (INCITS)</b><br/>InterNational Committee for Information Technology Standards<br/>700 K Street NW<br/>Suite 600<br/>Washington, DC 20001<br/>Phone: (202) 737-8888<br/>Web: <a href="http://www.incits.org">www.incits.org</a></p> | <p><b>NECA</b><br/>National Electrical Contractors Association<br/>3 Bethesda Metro Center<br/>Suite 1100<br/>Bethesda, MD 20814<br/>Phone: (301) 215-4549<br/>Web: <a href="http://www.neca-neis.org">www.neca-neis.org</a></p> |
| <p><b>ASABE</b><br/>American Society of Agricultural and Biological Engineers<br/>2950 Niles Road<br/>Saint Joseph, MI 49085<br/>Phone: (269) 932-7015<br/>Web: <a href="http://www.asabe.org">www.asabe.org</a></p>                             | <p><b>B11</b><br/>B11 Standards, Inc.<br/>PO Box 690905<br/>Houston, TX 77269-0905<br/>Phone: (832) 446-6999<br/>Web: <a href="https://www.b11standards.org">https://www.b11standards.org</a></p>   | <p><b>NECA</b><br/>National Electrical Contractors Association<br/>3 Bethesda Metro Center<br/>Suite 1100<br/>Bethesda, MD 20814<br/>Phone: (301) 215-4549<br/>Web: <a href="http://www.neca-neis.org">www.neca-neis.org</a></p>             | <p><b>NECA</b><br/>National Electrical Contractors Association<br/>3 Bethesda Metro Center<br/>Suite 1100<br/>Bethesda, MD 20814<br/>Phone: (301) 215-4549<br/>Web: <a href="http://www.neca-neis.org">www.neca-neis.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

### EARTH-MOVING MACHINERY (TC 127)

ISO 12511/DAMd1, Earth-moving machinery - Hour meters - Amendment 1 - 3/11/2020, \$29.00

### NUCLEAR ENERGY (TC 85)

ISO/DIS 21909-1, Passive neutron dosimetry systems - Part 1: Performance and test requirements for personal dosimetry - 3/12/2020, \$107.00

ISO/DIS 21909-2, Passive neutron dosimetry systems - Part 2: Methodology and criteria for the qualification of personal dosimetry systems in workplaces - 3/12/2020, \$98.00

### VALVES (TC 153)

ISO/DIS 10631, Industrial valves - Metallic butterfly valves - 3/12/2020, \$71.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 11770-5, Information technology - Security techniques - Key management - Part 5: Group key management - 3/12/2020, \$71.00

## IEC Standards

CAB/1943/INF, Uncommon Regulatory Objectives Guidelines for Cybersecurity - Report on the Sectoral Initiative on Cybersecurity, 2020/1/31

3/1439/CD, IEC 81346-1 ED2: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules, 2020/3/13

8/1537/CD, IEC TS 62786-1 ED1: Distributed Energy resources connection with the grid - General requirements, 2020/2/14

17A/1251/NP, PNW TS 17A-1251: High-voltage switchgear and controlgear - Part 314: Direct current disconnectors and earthing switches, 2020/1/17

17C/738/CD, IEC 62271-202 ED3: High-voltage switchgear and controlgear - Part 202: High-voltage/ low-voltage prefabricated substation, 2020/3/13

21/1031/FDIS, IEC 62984-1 ED1: High-temperature secondary batteries - Part 1: General requirements, 2020/1/31

21/1032/FDIS, IEC 62984-2 ED1: High-temperature secondary batteries - Part 2: Safety requirements and tests, 2020/1/31

22G/406/CDV, IEC 61800-5-3 ED1: Adjustable speed electrical power drive systems - Part 5-3: Safety requirements for encoders - Functional, Electrical and Environmental, 2020/3/13

22H/259/CD, IEC 62040-1/AMD1 ED2: Uninterruptible power systems (UPS) - Part 1: Safety requirements, 2020/2/14

23E/1162/CD, IEC 62752 ED2: In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD), 2020/3/13

23K/50/CD, IEC 62991 ED1: Particular requirements for Source-Switching Equipment (SSE), 2020/3/13

31/1525/FDIS, IEC 60079-29-1/AMD1 ED2: Amendment 1 - Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases, 2020/1/31

34/668/DTR, IEC TR 61547-1 ED3: Equipment for general lighting purposes - EMC immunity requirements - Part 1: An objective light flickermeter and voltage fluctuation immunity test method, 2020/2/14

34A/2173/CD, IEC 63220/FRAG4 ED1: LED Light sources - Safety requirements, 2020/3/13

34A/2160A/CDV, IEC 61228 ED3: Fluorescent ultraviolet lamps used for tanning - Measurement and specification method, 020/2/7/

44/868A/NP, PNW TS 44-868: Safety of Machinery - Safety-related sensors used for the protection of persons - Part 3: Sensor technologies and algorithms, 2020/3/13

57/2174/FDIS, IEC 61968-1 ED3: Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations, 2020/1/31

59L/176/FDIS, IEC 60704-2-8 ED2: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-8: Particular requirements for electric shavers and hair clippers or trimmers, 2020/1/31

61/5953/NP, PNW 61-5953: Household and similar electrical appliances - Safety - Part 2-121: Particular requirements for portable vaping devices, 2020/3/13

61/5952/NP, PNW 61-5952: Household and similar electrical appliances - Safety - Part 2-120: Particular requirements for electric heaters for tobacco products (EHTP), 2020/3/13

64/2425/CD, IEC 60364-8-2 ED2: Low-voltage electrical installations - Part 8-2: Prosumer's low-voltage electrical installations, 2020/4/10

- 65/787/CD, IEC TR 63283-2 ED1: Industrial-process measurement, control and automation - Smart Manufacturing - Part 2: Use cases, 2020/3/13
- 65/786/CD, IEC TR 63283-1 ED1: Industrial-process measurement, control and automation - Smart Manufacturing - Part 1: Terms and definitions, 2020/3/13
- 65/788/CD, IEC TR 63283-3 ED1: Industrial-process measurement, control and automation - Smart Manufacturing - Part 3: Recommendations for cybersecurity, 2020/3/13
- 65A/941/NP, PNW 65A-941: Human-Machine Interfaces for Process Automation Systems, 2020/3/13
- 72/1217/CD, IEC 60730-1/FRAG2 ED6: Automatic electrical controls - Part 1: General requirements, 2020/3/13
- 78/1301/CDV, IEC 61318 ED4: Live working - Conformity assessment applicable to tools, devices and equipment, 2020/3/13
- 80/952/FDIS, IEC 61108-5 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 5: BeiDou navigation satellite system (BDS) - Receiver equipment - Performance requirements, methods of testing and required test results, 2020/1/31
- 82/1666/CD, IEC 61724-1 ED2: Photovoltaic system performance - Part 1: Monitoring, 2020/3/13
- 82/1665/DTS, IEC TS 62788-5-2 ED1: Measurement procedures for materials used in photovoltaic modules - Part 5-2: Edge seals - Edge-seal durability evaluation guideline, 2020/3/13
- 82/1659/FDIS, IEC 62788-6-2 ED1: Measurement procedures for materials used in photovoltaic modules - Part 6-2: General tests - Moisture permeation testing with polymeric materials, 2020/1/31
- 82/1658/FDIS, IEC 62788-5-1 ED1: Measurement procedures for materials used in photovoltaic modules - Part 5-1: Edge seals - Suggested test methods for use with edge seal materials, 2020/1/31
- 86B/4250/CDV, IEC 61300-2-56 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedure - Part 2-56: Tests --Wind resistance of mounted housing, 2020/3/13
- 86C/1629/CDV, IEC 61290-1-1 ED4: Optical amplifiers - Test methods - Part 1-1: Power and gain parameters - Optical spectrum analyzer method, 2020/3/13
- 90/447/FDIS, IEC 61788-7 ED3: Superconductivity - Part 7: Electronic characteristic measurements - Surface resistance of high-temperature superconductors at microwave frequencies, 2020/1/31
- 90/448/FDIS, IEC 61788-4 ED5: Superconductivity - Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti and Nb<sub>3</sub>Sn composite superconductors, 2020/1/31
- 91/1634/CD, IEC 61189-2-501 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-501: Test methods for materials for interconnection structures - Measurement of Resilience strength and Resilience strength Retention Factor of Flexible Dielectric Materials, 2020/3/13
- 106/511/CD, IEC 62232 ED3: Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure, 2020/3/13
- 108/730/NP, PNW 108-730: Audio/video, information and communication technology equipment - Safety - Power transfer between Communications equipment ports using Communications cabling at  $\geq 60$  Vd.c and AC, 2020/3/13
- 108/729/NP, PNW 108-729: Audio/video, information and communication technology equipment - Safety - DC power transfer between ICT equipment ports using ICT cabling at  $\leq 60$  Vd.c, 2020/3/13
- 110/1178/DTR, IEC TR 62629-51-1 ED1: 3D display devices - Part 51-1: Generic introduction of aerial display, 2020/2/14
- 121A/333/CD, IEC 60947-2 ED6: Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, 2020/3/13
- 121A/336/DISH, IEC 60947-4-1/ISH1 ED4: Interpretation Sheet 1 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, 2020/1/31
- 126/18/CD, IEC 63277 ED1: Performance test method of binary power generation systems with the capacity less than 100kW, 2020/4/10
- SyCSmartCities/123/NP, PNW TS SYCSMARTCITIES-123: Systems Reference Deliverable Use Cases Collection and Analysis: Intelligent Operations Center for Smart Cities, 2020/3/13
- SyCSmartCities/124/NP, PNW TS SYCSMARTCITIES-124: Systems Reference Deliverable: Use Case Collection and Analysis: Water Systems in Smart Cities, 2020/3/13
- SyCSmartEnergy/133/DC, JTC1-SC41/117/CDV: ISO/IEC 30144 ED1 - Internet of Things (IoT) - Wireless sensor network system supporting electrical power substation, 020/2/7/



# Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

## AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 14620-2:2019, Space systems - Safety requirements - Part 2: Launch site operations, \$103.00

## COSMETICS (TC 217)

ISO 24444:2019, Cosmetics - Sun protection test methods - In vivo determination of the sun protection factor (SPF), \$209.00

## IMPLANTS FOR SURGERY (TC 150)

ISO 18241/Amd1:2019, Cardiovascular implants and extracorporeal systems - Cardiopulmonary bypass systems - Venous bubble traps - Amendment 1: Connectors, \$19.00

ISO 14708-7:2019, Implants for surgery - Active implantable medical devices - Part 7: Particular requirements for cochlear and auditory brainstem implant systems, \$209.00

## INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 15704:2019, Enterprise modelling and architecture - Requirements for enterprise-referencing architectures and methodologies, \$209.00

ISO 8000-63:2019, Data quality - Part 63: Data quality management: Process measurement, \$138.00

## MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 16063-34:2019, Methods for the calibration of vibration and shock transducers - Part 34: Testing of sensitivity at fixed temperatures, \$103.00

## NUCLEAR ENERGY (TC 85)

ISO 18589-4:2019, Measurement of radioactivity in the environment - Soil - Part 4: Plutonium 238 and plutonium 239 + 240 - Test method using alpha spectrometry, \$138.00

ISO 18589-5:2019, Measurement of radioactivity in the environment - Soil - Part 5: Strontium 90 - Test method using proportional counting or liquid scintillation counting, \$162.00

ISO 18589-6:2019, Measurement of radioactivity in the environment - Soil - Part 6: Gross alpha and gross beta activities - Test method using gas-flow proportional counting, \$68.00

## OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 15902:2019, Optics and photonics - Diffractive optics - Vocabulary, \$45.00

## PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 9120/Amd1:2019, Petroleum and related products - Determination of air-release properties of steam turbine and other oils - Impinger method - Amendment 1, \$19.00

## QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

ISO 10015:2019, Quality management - Guidelines for competence management and people development, \$68.00

## SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 23430:2019, Ships and marine technology - Specification of high manganese austenitic steel thin strips used for LNG tanks on board ships, \$45.00

ISO 23121-1:2019, Ships and marine technology - Inflatable buoyancy support systems against flooding of ships - Part 1: Gas supply system, \$45.00

ISO 23121-2:2019, Ships and marine technology - Inflatable buoyancy support systems against flooding of ships - Part 2: Buoyancy chamber, \$68.00

## SMALL CRAFT (TC 188)

ISO 10240:2019, Small craft - Owners manual, \$103.00

## SOLID MINERAL FUELS (TC 27)

ISO 15585:2019, Hard coal - Determination of caking index, \$68.00

## TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 24617-9:2019, Language resource management - Semantic annotation framework - Part 9: Reference annotation framework (RAF), \$162.00

## TEXTILES (TC 38)

ISO 20705:2019, Textiles - Quantitative microscopical analysis - General principles of testing, \$103.00

## ISO Technical Reports

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/TR 19167:2019, Application of ubiquitous public access to geographic information to an air quality information service, \$162.00

## ISO Technical Specifications

### AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/TS 26030:2019, Social responsibility and sustainable development - Guidance on using ISO 26000:2010 in the food chain, \$185.00

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

ISO/TS 23128:2019, Medical devices - Transfusion set and blood bag compatibility test method, \$68.00

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

ISO/IEC 7810:2019, Identification cards - Physical characteristics, \$68.00

ISO/IEC 22505:2019, Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components, \$138.00

ISO/IEC 11179-7:2019, Information technology - Metadata registries (MDR) - Part 7: Metamodel for data set registration, \$185.00

ISO/IEC 14763-2:2019, Information technology - Implementation and operation of customer premises cabling - Part 2: Planning and installation, \$232.00

ISO/IEC 39794-1:2019, Information technology - Extensible biometric data interchange formats - Part 1: Framework, \$209.00

ISO/IEC 39794-4:2019, Information technology - Extensible biometric data interchange formats - Part 4: Finger image data, \$232.00

ISO/IEC 39794-5:2019, Information technology - Extensible biometric data interchange formats - Part 5: Face image data, \$232.00

ISO/IEC 20071-11:2019, Information technology - User interface component accessibility - Part 11: Guidance on text alternatives for images, \$185.00

ISO/IEC 23001-15:2019, Information technology - MPEG systems technologies - Part 15: Carriage of web resources in ISOBMFF, \$138.00

ISO/IEC 14776-415:2019, Information technology - Small computer system interface (SCSI) - Part 415: SCSI architecture model - 5 (SAM-5), \$232.00

ISO/IEC 14776-481:2019, Information technology - Small computer system interface (SCSI) - Part 481: Security Features for SCSI Commands (SFSC), \$232.00

ISO/IEC TS 19795-9:2019, Information technology - Biometric performance testing and reporting - Part 9: Testing on mobile devices, \$138.00

# 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

#### ASSE International Chapter of IAPMO

ANSI's Executive Standards Council has approved the reaccreditation of the ASSE International Chapter of IAPMO, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on IAPMO (ASSE Chapter)-sponsored American National Standards, effective December 20, 2019. For additional information, please contact: Mr. Conrad L. Jahrling, Staff Engineering Supervisor/Product Listing Coordinator, ASSE International Chapter of IAPMO, 18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448; phone: 708.995.3017; e-mail: [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org).

## International Organization for Standardization (ISO)

### Calls for U.S. TAG Administrator

#### ISO/TC 71/SC 1 – Test Methods for Concrete and ISO/TC 71/SC 3 – Concrete Production and Execution of Concrete Structures

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 71/SC 1 and ISO/TC 71/SC 3, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 71/SC 1 and ISO/TC 71/SC 3 operate under the scope of ISO/TC 71:

Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

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

#### ISO/TC 74 – Cement and Lime

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 74, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 74 operates under the following scope:

Standardization – including definitions, methods of test and specifications – of various kinds of cement, and lime used in building construction and engineering, either for binding together the construction materials or as a constituent part of all kinds of paste, mortar and concrete.

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





## 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/>



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

## Plumbing system components for recreational vehicles

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### 1.3 Normative references and tools

The following reference documents contain requirements that constitute requirements of this NSF/ANSI Standard. At the time of publication, the indicated editions were valid. All documents are subject to revision, and it is the responsibility of the user of this specification to determine the applicability of the most recent editions of these documents. The most recent published edition of the document shall be used for undated references.

ANSI/ASSE 1001 – 2008~~17~~. Performance Requirements for Atmospheric Type Vacuum Breakers<sup>3,4</sup>

ANSI/ASSE 1002 – 2008~~15~~. Performance Requirements for Anti-siphon Fill Valves for Gravity Water Closet Flush Tanks<sup>3</sup>.Error! Bookmark not defined.

ANSI/ASSE 1051 – 2009. Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems~~Error! Bookmark not defined.~~Error! Bookmark not defined.

ASME A112.18.2/CSA B125.2 – 2014~~15~~. Plumbing Waste Fittings<sup>3,4</sup>

ASME A112.18.3 – 2002~~8~~. Performance Requirements for Backflow Devices and Systems in Plumbing Fixture Fittings~~Error! Bookmark not defined.~~

ASME A112.19.2/CSA B45.1 – 2008~~19~~. Ceramic Plumbing Fixtures~~Error! Bookmark not defined.~~Error! Bookmark not defined.

ASME A112.19.3/CSA B45.4 – 2008~~17~~. Stainless Steel Plumbing Fixtures~~Error! Bookmark not defined.~~Error! Bookmark not defined.

ASME 2013~~BPVC~~ 2019. Boiler and Pressure Vessel Code~~Error! Bookmark not defined.~~

ASTM D543 – 2006~~14~~. Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents<sup>7</sup>

ASTM D1384 – 05 (2012). Standard Test Method for Corrosion Test for Engine Coolants in Glassware<sup>7</sup>

ASTM D2444 – 99 (2010) 2017. Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)<sup>7</sup>

ASTM E202 – 2012~~18~~. Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols<sup>7</sup>

CSA B45.5/IAPMO Z124 – 2014~~17~~. Plastic Plumbing Fixtures<sup>6,8</sup>

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~~Code of Federal Regulations, Title 421 CFR, § Parts 170-199. Food and Drugs Administration, Department of Health and Human Services<sup>9</sup>~~

~~IAPMO PS 033 – 2011. Flexible PVC Hose for Pools, Hot Tubs, Spas, and Jetted Bathtubs<sup>Error! Bookmark not defined.</sup>~~

~~IAPMO TS 1 – 2011e1. Mechanical Seal Toilets With or Without Integral Wastewater Tank for Use in Recreational Vehicles<sup>Error! Bookmark not defined.</sup>~~

~~IAPMO TS 12 – 97e1. Self-Contained, Electrically Operated Recirculating Chemically Controlled Toilet<sup>Error! Bookmark not defined.</sup>~~

~~IEEE/ASTM SI 10 – 2002. Standard for the Use of the International System of Units (SI): The Modern Metric System<sup>5,10</sup>~~

~~IEEE/ASTM SI 10 – 2016, *American National Standard for Metric Practice*<sup>7</sup>~~

~~NFPA (FIRE) 119.2 – 2014<sup>18</sup>. *Standard on Recreational Vehicles*<sup>11</sup>~~

~~NSF/ANSI 14. *Plastics piping system components and related materials*~~

~~NFS/ANSI 61. *Drinking water system components – Health effects*~~

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## **21 Flexible vent systems, pipe, and fittings**

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### **21.8 Markings**

Flexible vent pipe and fittings shall be clearly and permanently marked with the following:

- manufacturer’s name;
- model number and/or trade designation; and
- the statement “Intended only for dry vents in recreational vehicles”.

*Rationale: avoid use of “and/or”, use “and”, “or”, or “or both”*

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## **23 Portable toilets**

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**23.4.3** The portable toilet and/or portable waste holding tank shall be provided with a handle for carrying.

*Rationale: avoid use of “and/or”, use “and”, “or”, or “or both”*

## **BSR/UL 25B, Standard for Safety for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil**

### **1. Adding renewable diesel blends**

1.2 Meters covered by these requirements are intended for use with one or more of the following as applicable:

- a) Diesel fuel, which includes renewable diesel and diesel/biodiesel blends with nominal biodiesel concentrations up to 5 percent (B0-B5) formulated in accordance with the Standard Specification for Diesel Fuel Oils, ASTM D975;
- b) Diesel/biodiesel, renewable diesel/biodiesel blends, blends with nominal biodiesel concentrations from 5 percent up to 20 percent (B6 - B20) formulated in accordance with the Standard Specification for Diesel Fuel Oil, Biodiesel Blends (B6 - B20), ASTM D7467;
- c) Biodiesel (B99.9/B100) formulated in accordance with the Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels, ASTM D6751;
- d) Kerosene formulated in accordance with the Standard Specification for Kerosene, ANSI/ASTM D3699; or
- e) Fuel oil (heating oil) formulated in accordance with the Standard Specification for Fuel Oils, ASTM D396.

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## **BSR/UL 79B, Standard for Safety for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil**

### **1. Adding renewable diesel blends**

1.3 Pumps covered by these requirements are intended for use with one or more of the following:

- a) Diesel fuel, which includes renewable diesel and diesel/biodiesel blends with nominal biodiesel concentrations up to 5 percent (B0-B5) formulated in accordance with the Standard Specification for Diesel Fuel Oils, ASTM D975;
- b) Diesel/biodiesel, renewable diesel/biodiesel blends, blends with nominal biodiesel concentrations from 5 percent up to 20 percent (B6 - B20) formulated in accordance with the Standard Specification for Diesel Fuel Oil, Biodiesel Blends (B6 - B20), ASTM D7467;
- c) Biodiesel (B99.9/B100) formulated in accordance with the Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels, ASTM D6751;
- d) Kerosene formulated in accordance with the Standard Specification for Kerosene, ANSI/ASTM D3699; or
- e) Fuel oil (heating oil) formulated in accordance with the Standard Specification for Fuel Oils, ASTM D396.

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**BSR/UL 60079-0, Standard for Safety for Safety for Explosive Atmospheres - Part 0:  
General Requirements**

**1. Revisions to Add Supplementary Requirements for Factory-Wiring Between Enclosures.**

**PROPOSALS**

**3 Terms and definitions**

**3.95ADV DR Addition of the following definitions:**

**3.95ADV1 factory-wiring**

**3.95ADV.1 factory-wiring within enclosures**

wiring routed completely within an Ex Equipment enclosure or Ex Component enclosure and used to interconnect internally mounted pieces of equipment

**3.95ADV.2 factory-wiring between enclosures**

wiring routed externally between, and terminated within, two or more enclosures that overall are covered by a single Ex Equipment certificate

**19 Supplementary requirements for factory-wiring between enclosures**

Factory-wiring between enclosures (see 3.95.2), along with the terminations and sealing for this factory-wiring, shall comply with the following:

- The applicable requirements of this standard and the standard(s) for the applied Type(s) of Protection; and
- The applicable requirements in Article 505 or 506 of NFPA 70, including the applicable requirements of Chapters 1 through 4.

**2. Revisions to Add Electronic Medium for Required Instructions.**

**PROPOSALS**

**30.6ADV DR Addition of Clause 30.6 as follows:**

**30.6ADV.1 Electronic medium for required instructions**

**30.6ADV.1.1 The required instructional material may be provided by electronic media under the following conditions:**

**a) Where all required instructional materials is provided by electronic media, there shall be marking on the apparatus that contains the international symbol  $\triangle$  (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode).**

**b) Where only some of the required instructional material is provided by electronic media and some is printed:**

**1) there shall be marking on the apparatus that contains the international symbol  $\triangle$  (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode); and**

**2) the printed instructions provided with the apparatus shall clearly identify that additional information is available electronically, along with the document number, revision level and location of this electronic documentation (e.g. URL, QRcode).**

**EXCEPTION For small electrical apparatus where some or all of the instructional material is to be provided by electronic media, and where there is limited space for both the international symbol  $\triangle$  (Reference No. 0434B of ISO 7000) and the document number, revision level and location of the electronic documentation (e.g. URL, QRcode):**

**a) the international symbol  $\triangle$  (Reference No. 0434B of ISO 7000) shall be marked on the apparatus; and**

**b) printed instructions shall be provided with the apparatus that, as a minimum, indicates the document number, revision level and location of the electronic documentation (e. g. URL, QRcode).**

**NOTE When electronic documentation is referenced either on the device or on the printed instructions, the location given can be the specific location for the required instructions (e. g. direct link to the specific instructions), or can be a more general location. (e.g. the URL for the overall manufacturer's website). It is the manufacturer's responsibility to assure that the location of the required instructions is accessible by the user.**

**30.6ADV.1.2 Alternatively, the reference to the document number and revision level on the marking can be excluded if the location of the electronic documentation marked on the apparatus (e.g. URL, QRcode) involves an electronic search feature that makes the required documentation available by entering specific information that is required to be marked on the apparatus, such as any combination of model number, part number, serial number, date code, or other unique identifier.**

**30.6ADV.1.3 Where a QRcode is used to provide the required instructional material, and the QRcode contains all required instructional material (as opposed to merely referencing a URL that contains required instructional material), a document number and revision level need not be indicated.**

**30.6ADV.1.4 Where some or all of the required instructional material is provided by electronic media, the required instructional material shall be available in printed format upon request of the user.**

**NOTE 1 Where required instructional material, especially drawings, is provided in an electronic documentation format, consideration should be given by the manufacturer to its viewability and print capability by the user.**

NOTE 2 While electronic medium is permitted for required instructions as part of standards supported by the NEC, CE Code and IECEx System, other constraints may apply in certain market places (e.g. the European Commission's Standing Committee for the ATEX Directive has taken the view that at least the safety related parts of the instructions in respect of ATEX should be supplied in paper form).

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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     |