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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: February 16, 2020

### ASME (American Society of Mechanical Engineers)

#### Revision

BSR/ASME B107.17-202x, Gages and Mandrels for Wrench Openings (revision of ANSI/ASME B107.17-2015)

This Standard establishes final inspection gage sizes and test mandrel sizes for wrench openings and spark plug wrench openings for inch and metric sizes. This Standard does not cover every available size, but only those most commonly manufactured.

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

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Daniel Papert, (212) 591-7526, [papertd@asme.org](mailto:papertd@asme.org)

### ASPE (American Society of Plumbing Engineers)

#### Revision

BSR/ARCSA/ASPE 63-202x, Rainwater Catchment Systems (revision of ANSI/ARCSA/ASPE 63-2013)

The scope of this standard covers requirements for the design and installation of rainwater catchment systems that utilize the principle of collecting and using precipitation from a rooftop and other hard, impervious building surfaces. This standard does not apply to the collection of rainwater from vehicular parking or other similar surfaces.

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

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

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 514C-202x, Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2018)

(1) Add exception to the RTI requirement for box openings.

[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 1072-202x, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2013 (R2018))

The following topic is being proposed: (1) Correction to Table 18.1, Construction of Metal Component of Insulation Shielding.

[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 1472-202x, Standard for Safety for Solid-State Dimming Controls (revision of ANSI/UL 1472-2017)

This proposal covers the following topics: (1) Clarification of requirements in clause 7.1.6 for Multi-Unit Ganged Installation Derating Factors; (2) Addition of requirements for manufacturer's recommended terminal tightening to Paragraph 7.2.7; and (3) Inclusion of references to "Replacement or Retrofit Application Only" in Paragraph 7.2.6.

[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: March 2, 2020

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

#### **Reaffirmation**

BSR/AAMI/ISO 11140-1-2014 (R202x), Sterilization of health care products - Chemical indicators - Part 1: General requirements (reaffirm a national adoption ANSI/AAMI/ISO 11140-1-2014)

Specifies general requirements and test methods for indicators that show exposure to sterilization processes by means of physical and/or chemical change of substances, and which are used to monitor the attainment of one or more of the process parameter(s) specified for a sterilization process.

Single copy price: \$90.00 (AAMI members)/\$157.00 (list)

Obtain an electronic copy from: <https://my.aami.org/store/detail.aspx?id=1114001-PDF>

Order from: <https://my.aami.org/store/detail.aspx?id=1114001-PDF>

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

### **APA (APA - The Engineered Wood Association)**

#### **Revision**

BSR 117-202x, Standard Specification for Structural Glued Laminated Timber of Softwood Species (revision of ANSI 117-2015)

This standard provides basic design information for structural glued laminated timber (glulam) and grading rules for laminating lumber.

Single copy price: Free

Obtain an electronic copy from: [borjen.yeh@apawood.org](mailto:borjen.yeh@apawood.org)

Order from: Borjen Yeh, (253) 620-7467, [borjen.yeh@apawood.org](mailto:borjen.yeh@apawood.org)

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

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

#### **Addenda**

BSR/ASHRAE Addendum a to Standard 30-202x, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019)

This addendum updates capacity and condenser definitions to align with the rest of the standard, adds enthalpy measurement and capacity calculations, updates thermal input power calculations, clarifies existing pressure drop correction calculation, adds requirement to test based on operating mode set points defined prior to testing, and simplifies existing test data collection and test report requirements.

Single copy price: \$35.00

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

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

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

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

#### **New Standard**

BSR/ASHRAE Standard 225-202x, Methods for Performance Testing Centrifugal Refrigerant Compressors and Condensing Units (new standard)

ASHRAE Standard 225-202x prescribes methods for obtaining performance data relating to centrifugal compressors or compressor units. The intent of this standard is to provide uniform test methods to measure the performance of this equipment by addressing the test and instrumentation requirements, test procedures, data to be recorded, and calculations to generate and confirm valid test results.

Single copy price: \$35.00

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

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

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

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

### **Revision**

BSR/ASME B30.1-201x, Jacks, Industrial Rollers, Air Casters, and Hydraulic Gantries (revision of ANSI/ASME B30.1-2009)

Volume B30.1 includes provisions that apply to the construction, operation, inspection, testing, and maintenance of mechanical ratchet jacks, hand- or power-operated mechanical screw jacks, hand- or power-operated hydraulic jacks, air-lifting bags, industrial rollers, air casters, telescopic hydraulic gantry systems, and strand jacks.

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: Kathleen Peterson, (800) 843-2763, [peterstonk@asme.org](mailto:peterstonk@asme.org)

## **BHMA (Builders Hardware Manufacturers Association)**

### **New Standard**

BSR/BHMA A156.35-202x, Standard for Power Supplies for Electronic Access Control (new standard)

This Standard establishes requirements for external power supplies specifically designed for use with electronic access control hardware and related electrical components to distribute power.

Single copy price: \$36.00 (nonmembers; \$18.00 (BHMA members)

Obtain an electronic copy from: [KBishop@KellenCompany.com](mailto:KBishop@KellenCompany.com)

Order from: Karen Bishop, (513) 600-2871, [Kbishop@Kellencompany.com](mailto:Kbishop@Kellencompany.com)

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

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

### **New Standard**

BSR/CTA 2074-202x, Intensity Metrics: Physical Activity Monitoring (new standard)

This standards creates definitions and performance criteria for consumer technology that measures intensity of physical activity and related measures.

Single copy price: Free

Obtain an electronic copy from: [standards@cta.tech](mailto:standards@cta.tech)

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

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

## **MHI (Material Handling Industry)**

### **New Standard**

BSR MH31.2-201X, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (new standard)

This standard provides a test method of evaluating performance characteristics for industrial guardrail barriers and barrier posts. Industrial guardrail barriers and barrier posts are commonly utilized within industrial and warehouse environments to safeguard against unwanted interactions with, or provide added protection against potential impacts from, passing industrial vehicle traffic. These devices are typically mounted directly to the ground-level concrete floor slab at a safe distance away from pedestrian aisleways, vital equipment, or critical infrastructure.

Single copy price: \$25.00

Obtain an electronic copy from: [pdavison@mhi.org](mailto:pdavison@mhi.org)

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Patrick Davison; [pdavison@mhi.org](mailto:pdavison@mhi.org)

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

BSR C136.38-2015 (R202x), Induction Lighting (reaffirmation of ANSI C136.38-2015)

This standard defines the electrical and mechanical requirements of induction-type light sources for use in roadway and area lighting luminaires.

Single copy price: \$56.00

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

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

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

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

BSR C136.3-202X, Luminaire Attachments (revision of ANSI C136.3-2014)

This standard covers attachment features of luminaires used in roadway and area lighting equipment. The features covered apply to luminaires that are side, post-top, or pendant-mounted.

Single copy price: \$41.00

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

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

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

BSR C136.24-202x, Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))

This standard covers the electrical and mechanical interchangeability of nonlocking-type photocontrols for mounting within a roadway or off-roadway luminaire, called in this standard "controls". These controls are commonly called "button" photocontrols.

Single copy price: \$50.00

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

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

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

**NFPA (National Fire Protection Association)****NFPA FIRE PROTECTION STANDARDS DOCUMENTATION**

The National Fire Protection Association announces the availability of NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. The disposition of all comments received are published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, [www.nfpa.org/doc#next](http://www.nfpa.org/doc#next) (for example [www.nfpa.org/101next](http://www.nfpa.org/101next)), can easily access the document's information page. All Notices of Intent to Make A Motion on the 2020 Annual Revision Cycle Second Draft Report must be received by the following date: **February 19, 2020**. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (<http://www.nfpa.org>) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

**Revision**

BSR/NFPA 3-202x, Standard for Commissioning of Fire Protection and Life Safety Systems (revision of ANSI/NFPA 3-2018)

This standard shall provide the required procedures, methods, and documentation for the commissioning of active and passive fire protection and life safety systems and their interconnections with other building systems.

Obtain an electronic copy from: [www.nfpa.org/3Next](http://www.nfpa.org/3Next)

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

## **NFPA (National Fire Protection Association)**

### **Revision**

BSR/NFPA 4-202x, Standard for Integrated Fire Protection and Life Safety System Testing (revision of ANSI/NFPA 4-2018)

The standard shall provide the minimum requirements for testing of integrated fire-protection and life-safety systems where such testing is required by the design documents, commissioning plan, governing laws, codes, regulations, or standards. These requirements include protocol for testing procedures, responsibilities of various parties, methods, and documentation for verifying the operational readiness and sequence of integrated systems. The standard is designed to ensure that interconnected active and passive fire protection and life safety systems operate as intended. It is not the intent of this standard to require implementation of emergency response procedures, evacuation drills, or other exercises that require facility staff or fire department response. However, when integrated systems tests are being conducted, it can be an appropriate opportunity to practice emergency procedures or drills. This standard does not prohibit the owner of the property, building, or individual system or the owner's designated representative from requiring integrated system testing by design or contract documents. For some buildings, the integrated system testing requirements of NFPA 4 can be considered satisfied by performing the acceptance tests and the inspection, testing, and maintenance required by the NFPA standards for the systems in a building. For example, a less complex system in smaller buildings with automatic sprinkler and fire alarm systems can meet the integrated testing requirements of NFPA 4 by meeting the requirements of NFPA 13, Standard for the Installation of Sprinkler Systems, or NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, and NFPA 72, National Fire Alarm and Signaling Code. This standard shall not provide requirements for testing of individual systems. Individual systems should be tested in accordance with the requirements of the appropriate installation standard. The requirements of this standard shall apply to new and existing systems. This standard shall not be interpreted to require integrated fire protection and life safety systems testing unless otherwise required by the design documents or commissioning plan, or by governing laws, codes, regulations, or standards. The intent of this paragraph is to make it clear that the requirement to perform integrated fire protection and life safety systems testing is derived from the applicable building or fire code, not from NFPA 4.

Obtain an electronic copy from: [www.nfpa.org/4Next](http://www.nfpa.org/4Next)

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

BSR/NFPA 99B-202x, Standard for Hypobaric Facilities (revision of ANSI/NFPA 99B-2018)

This standard shall apply to all hypobaric facilities in which humans will be occupants or are intended to be occupants of the hypobaric chamber. This standard shall not apply to hypobaric facilities used for animal experimentation if the size of the hypobaric chamber does not allow for human occupancy.

Obtain an electronic copy from: [www.nfpa.org/99BNext](http://www.nfpa.org/99BNext)

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

BSR/NFPA 312-202x, Standard for Fire Protection of Vessels During Construction, Conversion, Repair, and Lay-Up (revision of ANSI/NFPA 312-2016)

This standard shall apply to vessels during the course of construction, conversion, repairs, or while laid up. This standard shall not apply to situations where it is in conflict with or superseded by requirements of any government regulatory agency.

Obtain an electronic copy from: [www.nfpa.org/312Next](http://www.nfpa.org/312Next)

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

BSR/NFPA 1006-202x, Standard for Technical Rescue Personnel Professional Qualifications (revision of ANSI/NFPA 1006-2017)

This standard establishes the minimum job performance requirements (JPRs) necessary for fire service and other emergency response personnel who perform technical rescue operations. The committee believes that this document specifies the minimum standards for technical rescuers. The committee recognizes that emergency services organizations might have to invest considerable resources to provide the equipment and training needed to perform technical rescues safely and efficiently. The committee does not mean to imply that organizations with limited resources cannot provide technical rescue services, only that the individuals charged with performing technical rescues be qualified at the operations or technician level according to this standard.

Obtain an electronic copy from: [www.nfpa.org/1006Next](http://www.nfpa.org/1006Next)

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

BSR/NFPA 1194-202x, Standard for Recreational Vehicle Parks and Campgrounds (revision of ANSI/NFPA 1194-2017)

This standard shall provide minimum construction requirements for safety and health for occupants using facilities supplied by recreational vehicle parks and campgrounds offering temporary living sites for use by recreational vehicles, recreational park trailers, and other camping units. This standard shall not cover the design of recreational vehicles, recreational park trailers, or other forms of camping units. ANSI A119.2/NFPA 1192 and ANSI A119.5 are companion standards on which the provisions of this standard are largely based. This standard shall not cover operational and maintenance practices for recreational vehicle parks and campgrounds.

Obtain an electronic copy from: [www.nfpa.org/1194Next](http://www.nfpa.org/1194Next)

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

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

### ***Revision***

BSR/UL 1696-202X, Standard for Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2015)

Publish an updated new edition which includes references to the Mexican Electrical Installation Code, Reference Publications, and ANCE References.

Single copy price: Free

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

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

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

## **Comment Deadline: March 17, 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 B30.28-2015 (R202x), Balance Lifting Units (reaffirmation of ANSI/ASME B30.28-2015)

Volume B30.28 includes provisions that apply to the marking, construction, installation, inspection, testing, maintenance, and operation of balance lifting units (balancers). Balancers are distinguished by their ability to float the load.

Single copy price: \$43.00

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: Kathleen Peterson, (800) 843-2763, [petersonk@asme.org](mailto:petersonk@asme.org)

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

### ***Revision***

BSR/ASME B73.1-201x, Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.1-2001 (R2007))

This Standard is a design and specification standard that covers metallic and solid polymer centrifugal pumps of horizontal, end-suction single-stage, centerline discharge design. This Standard includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance and enhance reliability and safety of B73.1 pumps.

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: Daniel Papert, (212) 591-7526, [papertd@asme.org](mailto:papertd@asme.org) □

## UL (Underwriters Laboratories, Inc.)

### ***New Standard***

BSR/UL 2152-202x, Standard for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids (new standard)

This standard will cover special purpose nonmetallic containers and tanks (vessels) for specific aboveground use applications for combustible or non-combustible liquids as indicated for each special purpose type, which is intended to address the specific designs, features, limitations, use factors and other unique characteristics of each type. The basic types of different special purpose vessels covered by this Standard will be: Liquid Chemical Containers and Tanks designed for stationary storage of combustible or non-combustible liquids in non-residential applications; Cooking Oil Tanks designed for storage of cooking oils and fats typically found in restaurant or similar commercial food preparing applications; Lube Oil Tanks designed for storage, dispensing and collection of Class IIIB motor oils, working oils, and other petroleum or synthetic oils with similar chemical and physical properties used in equipment applications; and Vehicle Fluid Tanks for storage, dispensing and collection of non-combustible fluids such as antifreeze/coolants (ethylene-glycol & water mixtures), windshield washer (alcohol, water and detergent mixtures), DEF (nom 1/3 urea and 2/3 water diesel exhaust solution), and other optional fluid types typically used in vehicles.

Single copy price: Free

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

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

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

## Technical Reports Registered with ANSI

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

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

### **Comment Deadline: February 16, 2020**

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

AAMI/ISO TIR 20416, Medical devices - Post-market surveillance for manufacturers (technical report)

The Technical Report provides a common understanding of post-market surveillance, or PMS, facilitating international cooperation in this area. The Technical Report is intended for use by manufacturers of medical devices. With PMS, the manufacturers can collect, evaluate, and analyze experience gained with their devices after placing on the market. The resulting information can be used for, among others, improvement of the devices. The Technical Report aims to describe a comprehensive data collection process and activities that allow characterization of the behavior of the devices as used in practice, and identify necessary and/or possible actions. PMS information may include material that requires reporting to Regulatory Authorities. The Technical Report will not provide information for such reporting, nor for achieving compliance with any other (PMS) requirement by Regulatory Authorities. Market surveillance by national authorities, as well as actions legally required to be performed by manufacturers as part of PMS or vigilance are outside the scope of the Technical Report. The document is not intended to replace or change national or regional legislation on PMS.

Single copy price: \$137.00 (AAMI Members); \$243.00 (List)

Order from: <http://www.aami.org>

Send comments (with optional copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Will Vargas, (703) 647-2779, [wvargas@aami.org](mailto:wvargas@aami.org)



## Project Withdrawn

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

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

BSR/AAMI ST100-201x, End-to-End Sterility Assurance (new standard)

This standard will provide a comprehensive framework to develop an end-to-end assurance of sterility. This framework is intended to connect the sterility assurance activities that might be addressed during each phase of the supply chain: from the definition of the product needs during R&D, to the manufacture and distribution of the product to the Customer, Consumer or Patient. This standard will address manufacturing and/or healthcare activities to support microbiologically controlled products or products with a sterile label claim. The end-to-end sterility assurance framework will also provide a link to the use of the sterilization and supporting standards.

Inquiries may be directed to Amanda Benedict, (703) 253-8284, [abenedict@aami.org](mailto:abenedict@aami.org)

# Call for Members (ANS Consensus Bodies)

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

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

**Contact:** Amanda Benedict  
**Phone:** (703) 253-8284  
**E-mail:** abenedict@aami.org  
**Office:** 901 N. Glebe Road, Suite 300  
 Arlington, VA 22203

BSR/AAMI/ISO 11140-1-2014 (R202x), Sterilization of health care products - Chemical indicators - Part 1: General requirements (reaffirm a national adoption ANSI/AAMI/ISO 11140-1-2014)

## **BHMA (Builders Hardware Manufacturers Association)**

**Contact:** Karen Bishop  
**Phone:** (513) 600-2871  
**E-mail:** kbishop@kellencompany.com  
**Office:** 355 Lexington Avenue, 15th Floor  
 New York, NY 10017-6603

BSR/BHMA A156.35-202x, Standard for Power Supplies for Electronic Access Control (new standard)

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

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

BSR/CTA 2074-202x, Intensity Metrics: Physical Activity Monitoring (new standard)

## **MHI (Material Handling Industry)**

**Contact:** Patrick Davison  
**Phone:** (704) 714-8755  
**E-mail:** pdavison@mhi.org  
**Office:** 8720 Red Oak Boulevard  
 Suite 201  
 Charlotte, NC 28217

BSR MH28.1-202X, Design, Testing, and Utilization of Industrial Steel Bin Shelving (new standard)

BSR MH28.4-202X, Testing and Evaluation of Retail/Consumer Boltless Steel Shelving (new standard)

BSR MH31.2-201X, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (new standard)

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

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

BSR C136.3-202X, Luminaire Attachments (revision of ANSI C136.3-2014)

BSR C136.24-202x, Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))

BSR C136.38-2015 (R202x), Induction Lighting (reaffirmation of ANSI C136.38-2015)

## Call for Members (ANS Consensus Bodies)

### National Council for Prescription Drug Programs (NCPDP)

Enrollment in the 2020 Consensus Group opens Monday, January 13, 2020 and closes on Friday, February 14, 2020 at 8:00 p.m. Eastern Time. Information concerning the Consensus Group registration process is available by contacting:

Kitty Krempin

National Council for Prescription Drug Programs

9240 East Raintree Drive

Scottsdale, AZ 85260

Phone: (480) 296-4584

E-mail: [kkrempin@ncdpd.org](mailto:kkrempin@ncdpd.org)

#### Standards:

**Audit Transaction Standard** – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both “Desk Top” claim audits and for in-store audit notices.

**Batch Standard Subrogation** - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.

**Benefit Integration Standard** - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

**Billing Unit Standard** - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.

**Financial Information Reporting Standard** – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

**Formulary and Benefit Standard** – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

**Manufacturer Rebate Standard** – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

**Medicaid Subrogation Standard** – provides guidelines for the process whereby a Medicaid agency can communicate to a processor for reimbursement. The state has reimbursed the pharmacy provider for covered services and now is pursuing reimbursement from other payers for these services.

**Medical Rebates Data Submission Standard** – provides a standardized format for health plans' rebate submissions to multiple manufacturers throughout the industry. Implementation of the medical also eliminates the need for manufacturers to create internal mapping processes to standardize unique data formats from each health plan or third party administrator.

**Post Adjudication Standard** – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.

**Prescription Drug Monitoring Programs (PDMP) Reporting Standard** – developed to report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs.

Prescription Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.

Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Product Identifiers Standard – developed to provide a standard for consistent formatting and utilization of product identifiers in healthcare and to provide clarification for maintenance of these specific product identifiers.

Real-Time Prescription Benefit Standard – developed a real-time pharmacy benefit inquiry from a provider EMR application to: leverage pharmacy industry standards and technology infrastructure, to deliver an accurate, pharmacy specific, “Patient Pay Amount” for a proposed medication and quantity and to collaboratively align stakeholders.

Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/ pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.

SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.

Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.

Specialty Pharmacy Data Reporting Standard - provides a standardized format for the data submitted by specialty pharmacy to drug manufacturers/others to support programs and agreements between the parties.

State Medicaid Provider File Standard - developed a standard by which state Medicaid agencies or other entities could communicate their provider data with the MCOs/PBMs in a consistent and streamlined manner.

Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.

Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

## **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.

## AMCA (Air Movement and Control Association)

### Revision

ANSI/AMCA Standard 260-2020, Laboratory Methods of Testing Induced Flow Fans for Rating (revision of ANSI/AMCA Standard 260-13): 1/14/2020

## API (American Petroleum Institute)

### Reaffirmation

ANSI/API RP 10D-2/ISO 10427-2-2004 (R2020), Recommended Practice for Centralizer Placement and Stop-Collar Testing (reaffirm a national adoption ANSI/API RP 10D-2/ISO 10427-2-2004 (R2015)): 1/10/2020

### Supplement

ANSI/API RP 10B-6/ISO 10426-6-2008, Addendum 1-2020, Recommended Practice on Determining the Static Gel Strength of Cement Formulations (supplement to ANSI/API RP 10B-6/ISO 10426-6-2010 (R2015)): 1/10/2020

## ASC X9 (Accredited Standards Committee X9, Incorporated)

### New National Adoption

\* ANSI X9.134-1/ISO 12812-2020, Core Banking: Mobile Financial Services - General Framework (national adoption with modifications of ISO 12812 Part 1): 1/14/2020

### Revision

ANSI X9.100-160-2-2020, Magnetic Ink Printing (MICR) - Part 2: EPC Field Use (revision and redesignation of ANSI X9.100-160 Part 2-2014): 1/10/2020

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

### Revision

ANSI/ASSP A10.46.2020, Hearing Loss Prevention for Construction and Demolition Workers (revision of ANSI/ASSP A10.46-2013): 1/9/2020

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmation

ANSI ATIS 0300240-2014 (R2020), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Generic Network Information Model for Interfaces between Operations Systems and Network Elements (reaffirmation of ANSI ATIS 0300240-2014): 1/13/2020

### Revision

ANSI/ATIS 0300213-2020, Structure for the Identification of Equipment Entities for Information Exchange (revision of ANSI ATIS 0300213-2014): 1/13/2020

ANSI/ATIS 0300223-2020, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange (revision of ANSI/ATIS 0300223-2014): 1/13/2020

ANSI/ATIS 0300251-2020, Structure for the Representation of Service Providers for Information Exchange (revision of ANSI/ATIS 0300251-2017): 1/13/2020

ANSI/ATIS 0300253-2020, Structure for the Representation of Location Entities for Information Exchange (revision of ANSI/ATIS 0300253-2016): 1/13/2020

## AWPA (ASC O5) (American Wood Protection Association)

### Revision

ANSI O5.2-2020, Structural Glued Laminated Timber for Utility Structures (revision of ANSI O5.2-2012): 1/10/2020

## AWS (American Welding Society)

### Revision

ANSI/AWS A2.4-2020, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012): 1/9/2020

## CSA (CSA America Standards Inc.)

### New Standard

ANSI/CSA LNG 3.20-2020, LNG Fuel System Components - Part 20: Flexible Fuel or Vent Lines (new standard): 1/9/2020

### Reaffirmation

ANSI Z21.77-2005 (R2020), Standard for Manually-Operated Piexo-Electric Spark Gas Ignition Systems and Components (same as CSA 6.23) (reaffirmation of ANSI Z21.77-2005 (R2015)): 1/14/2020

ANSI Z21.35-2005 (R2020), ANSI Z21.35a-2010 (R2020), Pilot Gas Filters (same as CSA 6.8) (reaffirmation of ANSI Z21.35-2005 (R2015) and ANSI Z21.35a-2010 (R2015)): 1/14/2020

## EOS/ESD (ESD Association, Inc.)

### Reaffirmation

ANSI/ESD S13.1-2015 (R2020), ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Electrical Soldering/Desoldering Hand Tools (reaffirmation of ANSI/ESD S13.1-2015): 1/14/2020

**HL7 (Health Level Seven)****Reaffirmation**

ANSI/HL7 V3 LBRESULT, R1-2009 (R2020), HL7 Version 3 Standard: Laboratory Results, Release 1 (reaffirmation of ANSI/HL7 V3 LBRESULT, R1-2009 (R2014)): 1/10/2020

**NECA (National Electrical Contractors Association)****Reaffirmation**

ANSI/NECA 600-2014 (R2020), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation of ANSI/NECA 600-2014): 1/9/2020

**NEMA (ASC C82) (National Electrical Manufacturers Association)****New National Adoption**

- \* ANSI C82.77-2-2020, Standard for Lighting Equipment - Electrostatic Discharge (national adoption with modifications of IEC 61000-4-2 Edition 2 2008-12): 1/10/2020
- \* ANSI C82.77-3-2020, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Radiated, Radio-Frequency Electromagnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04)): 1/10/2020
- \* ANSI C82.77-4-2020, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Power Frequency Magnetic Field Immunity Test (national adoption with modifications of IEC 61000-4-8 Edition 2 2009): 1/10/2020
- \* ANSI C82.77-7-2020, Standard for Lighting Equipment - Testing and Measurement Techniques - Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests (national adoption with modifications of IEC 61000-4-11 Edition 2.1 2017-05): 1/10/2020
- \* ANSI C82.77-8-2020, Standard for Lighting Equipment - Fast Transients (national adoption with modifications of IEC 61000-4-4:2012): 1/10/2020

**Revision**

ANSI C82.77-10-2020, Lighting Equipment - Harmonic Emission Limits - Related Power - Quality Requirements (revision of ANSI C82.77-10-2014): 1/9/2020

**RVIA (Recreational Vehicle Industry Association)****Revision**

ANSI A119.5-2020, Park Model Recreational Vehicle Standard (revision of ANSI A119.5-2015): 1/9/2020

ANSI/RVIA LV-2020, Standard for Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA LV-2017): 1/9/2020

**SAWE (Society of Allied Weights Engineers)****New Standard**

ANSI/SAWE STD PD M-4-2020, Supplier Weight Control for the Marine Industry (new standard): 1/9/2020

**UL (Underwriters Laboratories, Inc.)****New National Adoption**

ANSI/UL 60730-2-22-2020, Standard for Automatic Electrical Controls - Part 2 -22: Particular Requirements for Thermal Motor Protectors (identical national adoption of IEC 60730-2-22 and revision of ANSI/UL 60730-2-22-2017): 1/7/2020

ANSI/UL 61010-2-032-2020, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-032: Particular Requirements for Hand-Held and Hand Manipulated Current Sensors for Electrical Test and Measurement (identical national adoption of IEC 61010-2-032 and revision of ANSI/UL 61010-2-032-2014 (R2018)): 1/10/2020

ANSI/UL 61010-2-033-2020, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-033: Particular Requirements for Hand-Held Multimeters for Domestic and Professional Use, Capable of measuring MAINS Voltage (identical national adoption of IEC 61010-2-033 and revision of ANSI/UL 61010-2-033-2014 (R2018)): 1/10/2020

ANSI/UL 61010-2-034-2020, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-034: Particular Requirements for Measurement Equipment for Insulation Resistance and Test Equipment for Electric Strength (national adoption with modifications of IEC 61010-2-034): 1/10/2020

**Reaffirmation**

ANSI/UL 1426-2010 (R2020), Standard for Safety for Electrical Cables for Boats (reaffirmation of ANSI/UL 1426-2010 (R2015)): 1/10/2020

**Revision**

ANSI/UL 854-2020, Standard for Safety for Service-Entrance Cables (revision of ANSI/UL 854-2014): 1/10/2020

ANSI/UL 1175-2020, Standard for Buoyant Cushions (revision of ANSI/UL 1175-2010 (R2014)): 1/10/2020

ANSI/UL 61010-031-2020, Standard for Safety for Electrical Equipment for Measurement, Control and Laboratory Use - Part 031: Safety Requirements for Hand-Held and Hand-Manipulated Probe Assemblies for Electrical Test and Measurement (revision of ANSI/UL 61010-031-2017): 1/7/2020

# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

## CSA (CSA America Standards Inc.)

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

### Revision

BSR Z21.47-202x, Gas-fired central furnaces (same as CSA 2.3) (revision and redesignation of ANSI Z21.47-2016)

Stakeholders: Manufacturers, utilities, consumers, testing agencies.

Project Need: To update the current standard due to user experience/feedback/new technology.

Details test and examination criteria for automatically operating gas-fired central furnaces for use for installation in residential, commercial, and industrial structures including furnaces for direct vent, recreational vehicle, outdoor, and manufactured (mobile) homes. This Standard applies to Category I, Category II, Category III, and Category IV central furnaces. In Canada, this Standard applies to gas-fired central furnaces having inputs up to and including 400,000 Btu/hr (117 228 W).

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

Contact: Conrad Jahrling, (708) 995-3017, [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org)  
18927 Hickory Creek Dr Suite 220, Mokena, IL 60448

### Revision

BSR/ASSE 1017-202x, Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems (revision of ANSI/ASSE 1071-2012)

Stakeholders: Plumbing, construction, hot water distribution, Legionella prevention.

Project Need: This revision adds new performance requirements and clarifies the language of the current revision.

Temperature-actuated mixing valves for hot water distribution systems are used for controlling in-line water temperatures in hot water systems and are installed at the hot water source. They are not intended for end-use applications including showers and emergency eyewash stations.

## MHI (Material Handling Industry)

Contact: Patrick Davison, (704) 714-8755, [pdavison@mhi.org](mailto:pdavison@mhi.org)  
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217

### New Standard

BSR MH28.1-202X, Design, Testing, and Utilization of Industrial Steel Bin Shelving (new standard)

Stakeholders: Manufacturers, users, regulators, and building code enforcement officials.

Project Need: This standard sets forth loading and seismic criteria for industrial-steel bin shelving.

This standard applies to the design, testing, and utilization of industrial steel bin shelving, including bin shelving placed on mobile carriages; multi-level bin-shelving systems such as pick modules, catwalks, and deck-overs; and for bin shelving used in conjunction with an automated storage and retrieval system (AS/RS). Industrial-steel bin shelving is typically a hand-loaded, prefabricated, free-standing, building-like non-building structure that utilizes a designed framing system. It is generally located within an industrial or warehouse environment that is restricted from the general public. The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. This standard does not apply to the following: industrial steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), bin-shelving structures not fabricated from steel, industrial-steel bin shelving, or shelving systems built with slotted metal angles.



**BSR MH28.4-202X, Testing and Evaluation of Retail/Consumer Boltless Steel Shelving (new standard)**

Stakeholders: Manufacturers, users, retailers.

Project Need: This standard sets forth loading and evaluation criteria for consumer shelving.

This standard applies to the testing and evaluation of retail/consumer steel boltless shelving. The framing components for these systems are made of steel members. Retail/consumer steel boltless shelving is a hand-loaded, prefabricated, freestanding, building-like non-building structure that utilizes a designed framing system. It is primarily designed and intended for homes and small-scale businesses (as opposed to large-scale warehousing or business applications requiring industrial product storage per MH28.2) and generally located indoors within a residential, commercial, light-industrial, or similar environment not designed to withstand wind or earthquake loading. This Standard does not apply to industrial-steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), industrial-steel boltless shelving (addressed by ANSI MH28.2), products greater than 96 inches (2.4 m) in height, boltless shelving structures not fabricated from steel, industrial-steel bin shelving (addressed by ANSI MH28.1), or shelving systems built with slotted metal angles. This Standard does not cover any design requirements that need to be addressed for supported equipment that would subject a shelving system to significant dynamic loading or harmonic vibration that has the potential to cause damage or metal fatigue.

**NEMA (ASC C12) (National Electrical Manufacturers Association)**

Contact: Paul Orr, (703) 841-3227, [Pau\\_orr@nema.org](mailto:Pau_orr@nema.org)  
1300 North 17th Street, Suite 900, Rosslyn, VA 22209

**Reaffirmation**

BSR C12.22-2012 (R202x), Protocol Specification for Interfacing to Data Communication Networks (reaffirmation of ANSI C12.22-2012)

Stakeholders: Meter manufacturers, electrical utilities.

Project Need: Reaffirmation of presently used standard.

This standard defines network Application Services for the exchange of table data and control elements. These services need to be implemented by all C12.22 Nodes, including "back-office" or "Head-end" systems. Furthermore, this standard defines a methodology to capture, translate, and transmit one-way device messages (blurts). This standard defines interfaces between IEEE 1377 Devices (ANSI C12.19 Devices) and network protocols.

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

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

**New Standard**

BSR/SCTE 127-202x, Carriage of Vertical Blanking Interval (VBI) Data in North American Digital Television Bitstreams (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This document specifies a mechanism for transporting analog vertical blanking interval (VBI) information in compressed digital television bitstreams that use the MPEG-2 Transport Stream format. The VBI data so conveyed is intended to be used to generate the appropriate waveforms for insertion into the VBI of SMPTE 170M (NTSC) video output, or acted upon directly by a receiving device. This mechanism is independent of the coding layer and therefore may be used for any coding technology where carriage in an MPEG-2 PES packet format has been defined (e.g., MPEG-2 Video, MPEG-4 AVC, or SMPTE VC-1).

**TCIA (ASC A300) (Tree Care Industry Association)**

Contact: Amy Tetreault, (603) 314-5380, [atetreault@tcia.org](mailto:atetreault@tcia.org)  
136 Harvey Rd # 101, Londonderry, NH 03053

**Revision**

BSR A300 Part 10-202x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Integrated Pest Management) (revision of ANSI A300 Part 10-2016)

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects, property managers, utilities, urban planners, consumers, government agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2016.

A300 (Part 10) IPM are performance standards on how to implement IPM programs. IPM provides a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools in a way that minimizes health, environmental, and economic risks.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

# ANSI-Accredited Standards Developers Contact Information

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

<p><b>AAMI</b> Association for the Advancement of Medical Instrumentation 901 N. Glebe Road, Suite 300 Arlington, VA 22203 Phone: (703) 253-8284 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASSP (Safety)</b> American Society of Safety Professionals 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Web: <a href="http://www.assp.org">www.assp.org</a></p>	<p><b>EOS/ESD</b> ESD Association, Inc. 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Web: <a href="http://www.esda.org">www.esda.org</a></p>	<p><b>NEMA (ASC C82)</b> National Electrical Manufacturers Association 1300 N 17th St Rosslyn, VA 22209 Phone: (703) 841-3262 Web: <a href="http://www.nema.org">www.nema.org</a></p>
<p><b>AMCA</b> Air Movement and Control Association 30 West University Drive Arlington Heights, IL 60004-1893 Phone: (847) 394-0150 Web: <a href="http://www.amca.org">www.amca.org</a></p>	<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 628-6380 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>HL7</b> Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Web: <a href="http://www.hl7.org">www.hl7.org</a></p>	<p><b>NFPA</b> National Fire Protection Association One Batterymarch Park Quincy, MA 02269-9101 Phone: (617) 984-7248 Web: <a href="http://www.nfpa.org">www.nfpa.org</a></p>
<p><b>APA</b> APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Web: <a href="http://www.apawood.org">www.apawood.org</a></p>	<p><b>AWPA (ASC O5)</b> American Wood Protection Association P.O. Box 361784 Birmingham, AL 35236-1784 Phone: (205) 733-4077 Web: <a href="http://www.awpa.com">www.awpa.com</a></p>	<p><b>IAPMO (ASSE Chapter)</b> ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Web: <a href="http://www.asse-plumbing.org">www.asse-plumbing.org</a></p>	<p><b>RVIA</b> Recreational Vehicle Industry Association 1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (703) 620-6003 Web: <a href="http://www.rvia.org">www.rvia.org</a></p>
<p><b>API</b> American Petroleum Institute 1220 L Street, NW Washington, DC 20005 Phone: (202) 682-8286 Web: <a href="http://www.api.org">www.api.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36th Street Suite 130 Doral, FL 33166 Phone: (305) 443-9353 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>MHI</b> Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Web: <a href="http://www.mhi.org">www.mhi.org</a></p>	<p><b>SAWE</b> Society of Allied Weights Engineers Phone: (703) 416-3626 Web: <a href="http://www.sawe.org">www.sawe.org</a></p>
<p><b>ASC X9</b> Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: <a href="http://www.x9.org">www.x9.org</a></p>	<p><b>BHMA</b> Builders Hardware Manufacturers Association 355 Lexington Avenue, 15th Floor New York, NY 10017-6603 Phone: (513) 600-2871 Web: <a href="http://www.buildershardware.com">www.buildershardware.com</a></p>	<p><b>NECA</b> National Electrical Contractors Association 3 Bethesda Metro Center Suite 1100 Bethesda, MD 20814 Phone: (301) 215-4549 Web: <a href="http://www.neca-neis.org">www.neca-neis.org</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Web: <a href="http://www.scte.org">www.scte.org</a></p>
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>CSA</b> CSA America Standards Inc. 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: <a href="http://www.csagroup.org">www.csagroup.org</a></p>	<p><b>NEMA (ASC C12)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3227 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>TCIA (ASC A300)</b> Tree Care Industry Association 136 Harvey Rd # 101 Londonderry, NH 03053 Phone: (603) 314-5380 Web: <a href="http://www.treecareindustry.org">www.treecareindustry.org</a></p>
<p><b>ASPE</b> American Society of Plumbing Engineers 6400 Shafer Court Suite 350 Rosemont, IL 60018 Phone: (847) 296-0002 Web: <a href="http://www.aspe.org">www.aspe.org</a></p>	<p><b>CTA</b> Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Web: <a href="http://www.cta.tech">www.cta.tech</a></p>	<p><b>NEMA (ASC C136)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3234 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 47173 Benicia Street Fremont, CA 94538 Phone: (510) 319-4259 Web: <a href="http://www.ul.com">www.ul.com</a></p>



# IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

## Ordering Instructions

**IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an 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.**

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- JTC1-SC25/2929/CDV, ISO/IEC 14543-4-301: Information technology - Home Electronic System (HES) architecture - Part 4-301: Application Protocols for Home Air Conditioners and Controllers, 020/4/3/
- JTC1-SC25/2930/CDV, ISO/IEC 14763-4 ED2: Information technology - Implementation and operation of customer premises cabling - Part 4: Measurement of end-to-end (E2E) links, Modular Plug Terminated Links (MPTL) and Direct Attach Cabling, 020/4/3/
- 8B/54/CD, IEC TS 62898-3-2 ED1: Microgrids - Part 3-2: Technical requirements - Energy management systems, 020/4/3/
- 23H/461/CDV, IEC 62196-1 ED4: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements, 020/4/3/
- 23H/462/CDV, IEC 62196-3 ED2: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility and interchangeability requirements for DC and AC/DC pin and contact-tube vehicle couplers, 020/4/3/
- 23H/463/CDV, IEC 62196-2 ED3: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility requirements for AC pin and contact-tube accessories, 020/4/3/
- 45B/953/CDV, IEC 62755/AMD1 ED1: Amendment 1 - Radiation protection instrumentation - Data format for radiation instruments used in the detection of illicit trafficking of radioactive materials, 020/4/3/
- 45A/1304/FDIS, IEC 62566-2 ED1: Nuclear power plants - Instrumentation and control systems important to safety - Development of HDL-programmed integrated circuits - Part 2: HDL-programmed integrated circuits for systems performing category B or C functions, 2020/2/21
- 46C/1136/CDV, IEC 61156-12: Multicore and symmetrical pair/quad cables for digital communications - Part 12: Symmetrical single pair cables with transmission characteristics up to 600 MHz - Work area wiring, 020/4/3/
- 61C/839/DISH, IEC 60335-2-24/AMD2/ISH2 ED7: Interpretation Sheet 2 - Amendment 2 - Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers, 2020/2/21
- 86C/1637/CDV, IEC 61280-4-5 ED1: Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces, 020/4/3/
- 86C/1642/FDIS, IEC 61757-1-1 ED2: Fibre optic sensors - Part 1-1: Strain measurement - Strain sensors based on fibre Bragg gratings, 2020/2/21
- 86C/1645/CD, IEC 61290-1-3 ED4: Optical amplifiers - Test methods - Part 1-3: Power and gain parameters - Optical power meter method, 020/3/6/
- 86A/1989/CD, IEC 60794-3-12 ED3: Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling, 020/4/3/
- 86B/4265/NP, PNW 86B-4265: Fibre optic interconnecting devices and passive components - Performance standard - Part 051-02: Plug-receptacle style single-mode fibre fixed optical attenuators for category C - Controlled environments, 020/4/3/
- 86B/4266/CD, IEC 61300-3-35 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers, 020/3/6/
- 121A/337/FDIS, IEC 60947-1 ED6: Low-voltage switchgear and controlgear - Part 1: General rules, 2020/2/21
- 7/695/CD, IEC 63248 ED1: Conductors for overhead lines - Coated or clad metallic wire for concentric lay stranded conductors, 020/4/3/
- 121/54/DTS, IEC TS 63058 ED1: Environmental aspects for Low-Voltage Switchgear and Controlgear and their assemblies, 020/4/3/
- 26/695/FDIS, IEC 60974-10 ED4: Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements, 2020/2/21
- 26/696/FDIS, IEC 62135-2 ED3: Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements, 2020/2/21
- 34/675/FDIS, IEC 62386-105 ED1: Digital addressable lighting interface - Part 105: Particular requirements for control gear and control devices - Firmware Transfer, 2020/2/21
- 34/676/FDIS, IEC 61547 ED3: Equipment for general lighting purposes - EMC immunity requirements, 2020/2/21
- 38/614/CD, IEC/IEEE 63253-5713-8 ED1: Station Service Voltage Transformers (SSVT), 020/3/6/
- 59/720/FDIS, IEC 63008 ED1: Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles, 2020/2/21
- 66/711/CDV, IEC 61010-2-020 ED4: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -020: Particular requirements for laboratory centrifuges, 020/4/3/

- 68/650/CD, IEC 60404-11 ED2: Magnetic materials - Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet, 020/4/3/
- 80/954/CD, IEC 61097-2 ED4: Global maritime distress and safety system (GMDSS) - Part 2: COSPAS-SARSAT EPIRB - Satellite emergency position indicating radio beacon operating on 406 MHz - Operational and performance requirements, methods of testing and required test results, 020/3/6/
- 104/860/NP, PNW 104-860: Environmental testing - Part 3-XX: Supporting documentation and guidance - Developing a climatic sequential test, 020/3/6/
- 116/437/CDV, IEC 62841-4-5 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-5: Particular requirements for grass shears, 020/4/3/
- 120/170/NP, PNW 120-170: Environmental requirements for BESS using reused batteries in various installations and aspects of life cycles, 020/2/7/
- 14/1037/CDV, IEC 60076-10-1/AMD1 ED2: Amendment 1 - Power transformers - Part 10-1: Determination of sound levels - Application guide, 020/4/3/
- 20/1899/CD, IEC 60800 ED4: Heating cables with a rated voltage of 300/500 V for comfort heating and prevention of ice formation, 020/4/3/
- 64/2413/CDV, IEC 60364-7-716 ED1: Low-Voltage electrical installations - Part 7-716: Requirements for special installations or locations - DC power distribution over Information Technology Cable Infrastructure, 020/4/3/
- 64/2414/CDV, IEC 60364-5-57 ED1: Low-voltage electrical installations - Part 5: Selection and erection of electrical equipment - Clause 57: Erection of stationary secondary batteries, 020/4/3/
- 82/1668/CD, IEC 62920/AMD1 ED1: Amendment 1 - Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment, 020/3/6/
- 100/3370/Q, Establishment of PWI for the methods of measurement for TV audio systems, 2020/2/21
- 100/3371/DC, IEC 62680-1-2 Ed. 4.0: Universal Serial Bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery Specification, 2020/2/21
- 100/3372/DC, IEC 62680-1-3 Ed. 3.0: Universal Serial Bus interfaces for data and power - Part 1-3: Common components - USB Type-C™ Cable and Connector Specification, 2020/2/21
- 100/3374/CD, IEC TR 63289 ED1: Conceptual model for TC 100 standardization on multimedia cyber technology, 020/4/3/
- SyCAAL/178/NP, PNW SYCAAL-178: Functional performance criteria for robots used in AAL connected home environment, 020/4/3/



# Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 11746:2020](#), Rice - Determination of biometric characteristics of kernels, \$68.00

[ISO 16297:2020](#), Milk - Bacterial count - Protocol for the evaluation of alternative methods, \$68.00

[ISO 23291:2020](#), Milk and milk products - Guidelines for the application of in-line and on-line infrared spectrometry, \$68.00

### AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 16049-2:2020](#), Air cargo equipment - Restraint straps - Part 2: Utilization requirements and recommendations and lashing calculations, \$103.00

### ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

[ISO 81060-2/Amd1:2020](#), Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - Amendment 1, \$19.00

### CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

[ISO 15727:2020](#), UV-C devices - Measurement of the output of a UV-C lamp, \$138.00

### CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

[ISO 1920-4:2020](#), Testing of concrete - Part 4: Strength of hardened concrete, \$162.00

### CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 11844-3:2020](#), Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity, \$68.00

### FINE CERAMICS (TC 206)

[ISO 22551:2020](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of bacterial reduction rate by semiconducting photocatalytic materials under indoor lighting environment - Semi-dry method for estimating antibacterial activity on the actual environmental bacteria contamination surface, \$68.00

[ISO 23114:2020](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determining bonding strength of ceramic coatings, \$103.00

### FLUID POWER SYSTEMS (TC 131)

[ISO 14743:2020](#), Pneumatic fluid power - Push-in connectors for thermoplastic tubes, \$162.00

### FREIGHT CONTAINERS (TC 104)

[ISO 668:2020](#), Series 1 freight containers - Classification, dimensions and ratings, \$103.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19136-1:2020](#), Geographic information - Geography Markup Language (GML) - Part 1: Fundamentals, \$232.00

### GRAPHICAL SYMBOLS (TC 145)

[ISO 7010/Amd1:2020](#), Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1, \$19.00

### IMPLANTS FOR SURGERY (TC 150)

[ISO 14243-1/Amd1:2020](#), Implants for surgery - Wear of total knee-joint prostheses - Part 1: Loading and displacement parameters for wear-testing machines with load control and corresponding environmental conditions for test - Amendment 1, \$19.00

[ISO 14243-3/Amd1:2020](#), Implants for surgery - Wear of total knee-joint prostheses - Part 3: Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test - Amendment 1, \$19.00

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

[ISO 20088-2:2020](#), Determination of the resistance to cryogenic spill of insulation materials - Part 2: Vapour exposure, \$103.00

### NUCLEAR ENERGY (TC 85)

[ISO 22946:2020](#), Nuclear criticality safety - Solid waste excluding irradiated and non-irradiated nuclear fuel, \$68.00

[ISO 11665-4:2020](#), Measurement of radioactivity in the environment - Air: radon-222 - Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis, \$162.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 9336-3:2020](#), Optics and photonics - Optical transfer function - Application - Part 3: Telescopes, \$103.00

### OTHER

[ISO 17076-1:2020](#), Leather - Determination of abrasion resistance - Part 1: Taber® method, \$45.00

### PAINTS AND VARNISHES (TC 35)

[ISO 15184:2020](#), Paints and varnishes - Determination of film hardness by pencil test, \$45.00

[ISO 23169:2020](#), Paints and varnishes - On-site test methods on quality assessment for interior wall coatings, \$138.00

### PAPER, BOARD AND PULPS (TC 6)

[ISO 21993:2020](#), Paper and pulp - Deinkability test for printed paper products, \$138.00

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

[ISO 18526-3:2020](#), Eye and face protection - Test methods - Part 3: Physical and mechanical properties, \$209.00

**PHOTOGRAPHY (TC 42)**

[ISO 18937:2020](#), Imaging materials - Photographic reflection prints - Methods for measuring indoor light stability, \$138.00

**PLASTICS (TC 61)**

[ISO 22526-1:2020](#), Plastics - Carbon and environmental footprint of biobased plastics - Part 1: General principles, \$68.00

[ISO 23153-2:2020](#), Plastics - Polyetheretherketone (PEEK) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$45.00

**ROAD VEHICLES (TC 22)**

[ISO 12353-1:2020](#), Road vehicles - Traffic accident analysis - Part 1: Vocabulary, \$45.00

**ROLLING BEARINGS (TC 4)**

[ISO 15241/Amd1:2020](#), Rolling bearings - Symbols for physical quantities - Amendment 1, \$19.00

**RUBBER AND RUBBER PRODUCTS (TC 45)**

[ISO 8789:2020](#), Rubber hoses and hose assemblies for liquefied petroleum gas in motor vehicles - Specification, \$68.00

**SHIPS AND MARINE TECHNOLOGY (TC 8)**

[ISO 20661:2020](#), Ships and marine technology - Cutter suction dredger supervisory and control systems, \$68.00

[ISO 20662:2020](#), Ships and marine technology - Hopper dredger supervisory and control systems, \$68.00

[ISO 20663:2020](#), Ships and marine technology - Grab dredger supervisory and control systems, \$45.00

**SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)**

[ISO 13320:2020](#), Particle size analysis - Laser diffraction methods, \$209.00

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

[ISO 37155-1:2020](#), Framework for integration and operation of smart community infrastructures - Part 1: Recommendations for considering opportunities and challenges from interactions in smart community infrastructures from relevant aspects through the life cycle, \$138.00

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

[ISO 6414:2020](#), Technical product documentation (TPD) - Technical drawings for glassware, \$103.00

**TEXTILES (TC 38)**

[ISO 20852:2020](#), Textiles - Determination of the total heat transfer through textiles in simulated environments, \$45.00

**TIMBER (TC 218)**

[ISO 13061-5:2020](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 5: Determination of strength in compression perpendicular to grain, \$45.00

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

[ISO 4874:2020](#), Tobacco - Sampling of batches of raw material - General principles, \$68.00

[ISO 13276:2020](#), Tobacco and tobacco products - Determination of nicotine purity - Gravimetric method using tungstosilicic acid, \$45.00

**TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)**

[ISO 5681:2020](#), Equipment for crop protection - Vocabulary, \$45.00

[ISO 12809:2020](#), Crop protection equipment - Reciprocating positive displacement pumps and centrifugal pumps - Test method, \$138.00

**TRADITIONAL CHINESE MEDICINE (TC 249)**

[ISO 18615:2020](#), Traditional Chinese medicine - General requirements of electric radial pulse tonometric devices, \$103.00

[ISO 22988:2020](#), Traditional Chinese medicine - Astragalus mongholicus root, \$138.00

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

[ISO 19414:2020](#), Intelligent transport systems - Service architecture of probe vehicle systems, \$68.00

**VACUUM TECHNOLOGY (TC 112)**

[ISO 1609:2020](#), Vacuum technology - Dimensions of non-knife edge flanges, \$68.00

[ISO 21358:2020](#), Vacuum technology - Right-angle valve - Dimensions and interfaces for pneumatic actuator, \$45.00

[ISO 9803-1:2020](#), Vacuum technology - Mounting dimensions of pipeline fittings - Part 1: Non knife-edge flange type, \$45.00

[ISO 9803-2:2020](#), Vacuum technology - Mounting dimensions of pipeline fittings - Part 2: Knife-edge flange type, \$45.00

**VALVES (TC 153)**

[ISO 22109:2020](#), Industrial valves - Gearbox for valves, \$103.00

[ISO 22153:2020](#), Electric actuators for industrial valves - General requirements, \$138.00

**ISO Technical Reports****AIRCRAFT AND SPACE VEHICLES (TC 20)**

[ISO/TR 23989:2020](#), Space environment (natural and artificial) - Operational estimation of the solar wind energy input into the Earth's magnetosphere by means of the ground-based magnetic polar cap (PC) index, \$68.00

**ROAD VEHICLES (TC 22)**

[ISO/TR 21959-1:2020](#), Road vehicles - Human performance and state in the context of automated driving - Part 1: Common underlying concepts, \$138.00

**ISO Technical Specifications****HEALTH INFORMATICS (TC 215)**

[ISO/TS 23303:2020](#), Health informatics - Categorial structure for Chinese materia medica products manufacturing process, \$68.00

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

[ISO/TS 16976-7:2020](#), Respiratory protective devices - Human factors - Part 7: Hearing and speech, \$103.00

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

[ISO/IEC 19770-8:2020](#), Information technology - IT asset management - Part 8: Guidelines for mapping of industry practices to/from the ISO/IEC 19770 family of standards, \$103.00

[ISO/IEC 14165-226:2020](#), Information technology - Fibre channel - Part 226: Single-byte command code sets mapping protocol - 6 (FC-SB-6), \$232.00

## IEC Standards

### AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

[IEC 60098 Ed. 4.0 en:2020](#), Analogue audio disk records and reproducing equipment, \$235.00

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

[IEC 62153-4-10 Ed. 2.0 b:2015](#), Metallic communication cable test methods - Part 4-10: Electromagnetic compatibility (EMC) - Transfer impedance and screening attenuation of feed-throughs and electromagnetic gaskets - Double coaxial test method, \$199.00

### FIBRE OPTICS (TC 86)

[IEC 60794-2-50 Ed. 2.0 b:2020](#), Optical fibre cables - Part 2-50: Indoor optical fibre cables - Family specification for simplex and duplex cables for use in terminated cable assemblies, \$164.00

### FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 63145-22-10 Ed. 1.0 en:2020](#), Eyewear display - Part 22-10: Specific measurement methods for AR type - Optical properties, \$199.00

### FUEL CELL TECHNOLOGIES (TC 105)

[IEC 62282-8-201 Ed. 1.0 b:2020](#), Fuel cell technologies - Part 8-201: Energy storage systems using fuel cell modules in reverse mode - Test procedures for the performance of power-to-power systems, \$235.00

### INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC/PAS 63256 Ed. 1.0 en:2020](#), Industrial communication networks - Broadband fieldbus specification - AUTBUS, \$410.00

### NUCLEAR INSTRUMENTATION (TC 45)

[IEC 61322 Ed. 2.0 b:2020](#), Radiation protection instrumentation - Installed ambient dose equivalent rate meters, warning and monitoring assemblies for neutrons with energies from thermal to 20 MeV, \$317.00

### POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 62351-4 Ed. 1.0 b:2018](#), Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS and derivatives, \$375.00

[IEC 62488-2 Ed. 1.0 en cor.1:2020](#), Corrigendum 1 - Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals or APLC, \$0.00

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

[IEC 60335-2-4 Amd.2 Ed. 6.0 b:2017](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors, \$12.00

[IEC 60335-2-4 Ed. 6.2 b:2017](#), Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors, \$176.00

[IEC 60335-2-25 Ed. 7.0 b:2020](#), Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, \$235.00

[S+ IEC 60335-2-25 Ed. 7.0 en:2020 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, \$305.00

### SECONDARY CELLS AND BATTERIES (TC 21)

[IEC 63057 Ed. 1.0 b:2020](#), Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium batteries for use in road vehicles not for the propulsion, \$164.00

## IEC Technical Specifications

### POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TS 62351-100-3 Ed. 1.0 en:2020](#), Power systems management and associated information exchange - Data and communications security - Part 100-3: Conformance test cases for the IEC 62351-3, the secure communication extension for profiles including TCP/IP, \$199.00

### SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 62804-1-1 Ed. 1.0 en:2020](#), Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation - Part 1 -1: Crystalline silicon - Delamination, \$82.00



# 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).

## 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)).

## Meeting Notices

### ADA Standards Committees Plan 2020 Meetings

The ADA Standards Committee on Dental Informatics (SCDI); the ADA Standards Committee on Dental Products (SCDP) and the U.S. Technical Advisory Group (TAG) for the International Organization for Standardization Technical Committee (ISO/TC) 106 Dentistry ask all interested parties to plan for their upcoming meetings.

## ADA Standards Committee on Dental Informatics (SCDI)

The ADA SCDI will hold its next meetings in Chicago, February 17-19 2020, at ADA Headquarters, 211 East Chicago Ave., Chicago, IL 60611. The meeting opens on Monday, February 17 at 8:30 a.m. with a pre-plenary session. SCDI working groups will meet throughout Monday and Tuesday. The SCDI Plenary session will take place at 8:30 a.m. on Wednesday, February 19 and the SNODENT Maintenance Committee will meet Wednesday at 1:00 p.m. Although there is no charge, registration is required to attend any of the SCDI meetings. Discounted hotel reservations are available.

### ADA Standards Committee on Dental Products (SCDP)/ U.S. TAG for ISO/TC 106 Dentistry

The ADA SCDP and the U.S. TAG for ISO/TC 106 Dentistry will hold their annual meetings March 16-18, 2020 in Washington, DC, at the Marriott Marquis Hotel (901 Massachusetts Ave. NW, Washington, DC 20001, tel. 855-516-1090).

The Opening Plenary and SCDP Working Group meetings will be held on Monday, March 16. SCDP Subcommittee/U.S. Sub-TAG Meetings and a new member orientation will take place on Tuesday and the SCDP Plenary Session will take place on Wednesday.

In addition, the ADA SCDP is sponsoring a symposium from 1:30 - 4 p.m. on Wednesday on the topic, "CAD/CAM & Digital Dentistry: Current Trends in Standards, Technologies and Materials."

Hotel reservations must be made through the AADR website, [aadronline.org](http://aadronline.org), to obtain discounted meeting rates.

Although there is no charge, registration is required to attend any of the SCDP/U.S. TAG meetings and events.

For more information about these meetings, and on-line registration, go to [www.ada.org/dentalstandards](http://www.ada.org/dentalstandards).



## 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/>

January 2020 Draft Edits

B107.17-20XX  
(proposed revision of ASME B107.17-2015)

# Gages and Mandrels for Wrench Openings

TENTATIVE  
SUBJECT TO REVISION OR WITHDRAWAL  
Specific Authorization Required for Reproduction or Quotation  
ASME Standards and Certification

This BSR-8 is to denote changes made to the draft after initial approval. The changes may be found below.

Go tolerance should be +.005/-0  
 NoGo tolerance should be +0/-0.005

**Table 3 Spark Plug Hexagon (Inch Series)**

Nominal Size, <i>W</i>	GO Gage A	NO GO Gage C
	Tolerance:	Tolerance:
	+0.0002	+0.0000
	-0.0000	-0.0002
5/8	0.6290	0.6373
11/16	0.6895	0.6993
3/4	0.7504	0.7608
13/16	0.8200	0.8293
7/8	0.8790	0.8883

**GENERAL NOTES:**

- (a) Minimum wrench opening = GO Gage A extreme limit minimum size.
- (b) Wrench opening tolerance = NO GO maximum Gage C – GO minimum Gage A.
- (c) Maximum wrench opening = NO GO Gage C extreme limit maximum size.

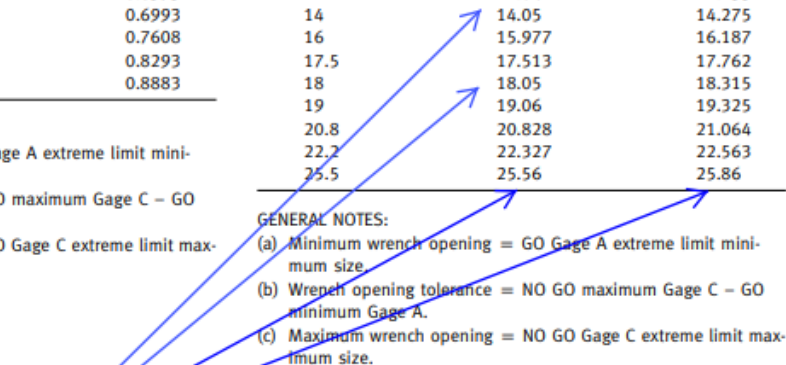
**Table 3M Spark Plug Hexagon (Metric Series)**

Nominal Size, <i>W</i>	GO Gage A	NO GO Gage C
	Tolerance:	Tolerance:
	+0.0002	+0.0000
	-0.0000	-0.0002
12	12.04	12.255
14	14.05	14.275
16	15.977	16.187
17.5	17.513	17.762
18	18.05	18.315
19	19.06	19.325
20.8	20.828	21.064
22.2	22.327	22.563
25.5	25.56	25.86

**GENERAL NOTES:**

- (a) Minimum wrench opening = GO Gage A extreme limit minimum size.
- (b) Wrench opening tolerance = NO GO maximum Gage C – GO minimum Gage A.
- (c) Maximum wrench opening = NO GO Gage C extreme limit maximum size.

Make All Column values 3 Decimal Places



Note: Only revisions in underline or strikethrough are available for comment at this time.

# ARCOSA/ASPE 63: Rainwater Catchment Systems



## Third Public Review Draft

### ARCOSA/ASPE 63: Rainwater Catchment Systems (Normative)

#### 3.0 DEFINITIONS

The following terms are defined in the manner in which they are intended to be used in the Standard.

Additional definitions of terms relevant to the scope of the Standard that are not used in the body of the Standard are provided in Appendix C for informational purposes.

~~3.23 Sanitize: Destruction of most microorganisms (whether or not pathogenic) through the use of chemicals or heat.~~

#### 4.0 DESIGN AND INSTALLATION REQUIREMENTS

##### 4.4 Cisterns / Storage

##### 4.4.3 Installation

- a. Cisterns may be installed either above- or below-grade.
- b. Cisterns shall comply with the administrative authority having jurisdiction, local building codes and ordinances, and/or as certified by a structural engineer.
- c. Above-grade plastic tanks used as cisterns shall be listed for the applicable use for the intended application.
- d. Above-grade cisterns shall be protected from direct sunlight or shall:
  - (1) Be constructed using opaque, UV-resistant materials (i.e., heavily tinted flexible or rigid plastic, metal tank with lining, concrete, etc.), or
  - (2) Have specially constructed sun barriers (e.g., installed in garages, crawlspaces, sheds, etc.) to minimize heat gain of the stored water.
- e. Below-grade cisterns, located outside a building, shall be provided with manhole risers a minimum of 10.2 cm (4 in.) above surrounding grade and/or installed in such a way as to prevent surface- or groundwater from entering ~~through the top of any fittings the cistern.~~
  - (1) Manholes shall be designed in accordance with OSHA Regulations for Confined Space Entry, 29 CFR 1910.
  - (2) Cisterns installed beneath a building structure likewise will installed in such a way as to prevent surface or groundwater from entering through the top of any fittings.

Note: Only revisions in underline or strikethrough are available for comment at this time.

## 4.9 Potable Water Applications

### 4.9.6 Water Disinfection

4.9.6.1 To conform to the minimum water quality standards for potable water specified in Table 4.1, one of the following disinfection methods shall be used:

- a. Chlorination may be used with an automated demand feed system and, if used, shall enable adequate contact time and residual according to local health authorities.
- b. Ozone may be used with an approved ozone system ensuring adequate contact time with the ozone. Provision must be made to off-gas ozone to a safe environment.
- c. Ultraviolet disinfection may be used and shall be provided between final filtration (5 micron maximum) and final point of use. UV systems shall be listed for the applicable use per the requirements of NSF 55 Class A devices.

~~d. Ultrafiltration to .02 micron~~

Note: The user of this standard is advised to check with the local authority having jurisdiction prior to implementing a design project intended to deliver potable water. Additional requirements may exist and the potable water system may fall under the responsibility of a state, federal, or tribal agency having responsibility over public water systems.

Parameter	Intended End-Use Quality Level	
	Non-potable	Potable <sup>a</sup>
Escherichia coli (E. coli)	< 100 CFU / 100 ml	None Detected
<del>Protozoan Cysts</del>	<del>&lt; 10 cysts/100 ml</del>	<del>None Detected</del>
<del>Viruses</del>	<del>—</del>	<del>None Detected</del>
Heterotrophic Plate Count (HPC)	—	Less than 500 CFU/ml <sup>b</sup>
Turbidity	< 10 NTU <sup>c</sup>	< 0.3 NTU

<sup>a</sup> Potable water standards meet the U.S. Environmental Protection Agency's drinking water standard for pathogens.  
<sup>b</sup> US EPA recommended limit  
<sup>c</sup> Nephelometric Turbidity Unit (NTU),  
 Note: Monitoring requirements vary greatly from state to state. Consult state and local guidelines for monitoring requirements.

### 4.10 Operation and Water Quality Maintenance

4.10.1 Prior to Use: Prior to system operation, all debris will be removed from the collection surface and piping system. The cistern and distribution piping shall be cleaned with a sanitizing solution.

- a. After several cycles of rainwater harvesting, an initial sample of the resultant accumulated water shall be tested for compliance according to the procedures listed in the latest edition of Standard Methods for the Examination of Water and Wastewater. Systems that cannot meet the minimum quality standards as listed in Table 4.1 shall be re-cleaned and then tested again, after several additional rain events, for compliance with the applicable



Note: Only revisions in underline or strikethrough are available for comment at this time.

standards. Should the water quality still not be achievable, the system shall be provided with an appropriate filtration/disinfection device noted in Sections 4.9.4 and 4.9.5.

- b. For private water systems, prior to placing the water system into service, water quality testing, at a minimum, shall be performed for E. coli, total coliform, and heterotrophic bacteria using the minimum quality standards provided in Table 4.1.

Note: The user of this standard is advised to check with the local authority having jurisdiction prior to implementing a design project intended to deliver potable water. Additional requirements may exist and the potable water system may fall under the responsibility of a state, federal, or tribal agency having responsibility over public water systems.

- c. Public System

(1) In addition 4.10.1a and b, water shall be tested for Cryptosporidium and Legionella bacterium.

(2) Subsequent annual tests shall be made for total coliform, E. coli, heterotrophic bacteria, and any chemicals of concern.

(3) Records of test results shall be maintained for at least two years.

#### 4.10.2 Water Quality Maintenance

- a. The quality of the water for the intended application shall be verified at the point of use in accordance with the minimum requirements of Table 4.1 complying with the testing procedures set forth in the Standard Methods for the Examination of Water and Wastewater.

- b. Non-potable water shall be tested every 12 months. Potable water shall be tested every three months. If Legionella pneumophila is detectable in amounts greater than 10 CFU/ml at the point of use, appropriate disinfection will be required.

c. Maintenance: Non – Potable

(1) Non-potable water shall not be applied above ground in a spray application (irrigation, powerwash, etc.) without appropriate disinfection for airborne bacteria.

d. Maintenance: Potable

(1) For a potable public water system, one sample shall be analyzed for applications serving up to 1,000 persons. When the treated water shall serve 1,001–2,500 persons, two samples shall be analyzed, and for 2,501 persons and up, three samples shall be analyzed. Samples must come from the following locations when additional taps for sampling are available:

(a1) One sample from the same location as the positive sample;

(b2) One sample within five service connections upstream;

(c3) One sample within five service connections downstream; and

(d4) For systems serving 25–1,000 persons, a fourth sample from any other sampling site.

(2) If refill of the cistern is required, replacement water shall be provided in a conveyance, and with procedures, as approved by the local health authority.

- ed. If the quality of the tested water cannot consistently be maintained at the minimum levels specified in Table 4.1, the system shall be equipped with an appropriate treatment device meeting the applicable NSF standard referenced in Section 2.

Note: The user of this standard is advised to check with the local authority having jurisdiction prior to implementing a design project intended to deliver potable water. Additional

Note: Only revisions in underline or strikethrough are available for comment at this time.

requirements may exist and the potable water system may fall under the responsibility of a state, federal, or tribal agency having responsibility over public water system.

END OF NORMATIVE STANDARD

**APPENDIX A      ADDITIONAL RELEVANT STANDARDS/DOCUMENTS (INFORMATIVE)**

**2.    International Association of Plumbing and Mechanical Officials (IAPMO)**

Uniform Plumbing Code

Green Plumbing and Mechanical Code Supplement

Water Efficiency and Sanitation Standard (WeStand)

**APPENDIX C      REFERENCE DEFINITIONS (INFORMATIVE)**

~~DISINFECTION: The process of rendering microbial contaminants non-infectious.~~

**BSR/UL 514C, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers****1. Add exception to the RTI requirement for box openings****PROPOSAL**

19.2 A material that is employed in a box not intended for the support of a fixture/luminaire, or in a box intended to support a fixture/luminaire weighing 49 lbs (22.2 kg) or less and marked for use in a wall, shall have relative thermal indices of not less than 80°C (176°F) for properties of electrical (RTI Elec) and mechanical strength (RTI Str). See 92.1.9.

Exception: An overmold material applied to box openings, that are of a size not greater than 0.625 inch (15.90 mm) by 0.844 inch (21.44 mm), may have relative thermal indices of not less than 50°C (°F) for properties of electrical (RTI Elec) and mechanical strength (RTI Str).

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## BSR/UL 1072, Standard for Safety for Medium-Voltage Power Cables

## 1. Correction to Table 18.1, Construction of metal component of insulation shielding

**Table 18.1**  
**Construction of metal component of insulation shielding**

Form	Material and dimensions <sup>a</sup>	Application	
		Manner	Placement throughout the length of the insulated conductor
Tape	Copper of any convenient width and at least 2.5 mils or 0.06 mm thick	Helically applied	Directly over and in intimate contact with the conductive nonmetallic covering
or	or	or	
tapes	Other nonmagnetic metal of any convenient width and of a thickness that results in a conductance at least that of copper that is 2.5 mils or 0.06 mm thick	Corrugated and longitudinally applied with an unspecified overlap	
Straps	Copper having an effective cross-sectional area of at least 5000 circular mils (0.004 square inch) per inch of diameter over the insulation or of at least 0.04	Helically or longitudinally applied	Directly over and in intimate contact with the conductive nonmetallic covering
Wires	0.1 square millimeter per millimeter of diameter over the insulation	Helically or longitudinally applied	Directly over and in intimate contact with the conductive nonmetallic covering
Wire <sup>b</sup> braid	or	Helically applied	Directly over and in intimate contact with the conductive nonmetallic covering
	Other nonmagnetic metal having an effective cross-sectional area that results in a conductance at least that of the copper mentioned above	Corrugated and longitudinally applied	Embedded (0.005 inch or 0.13 mm minimum thickness at any point) in extruded insulation shielding (see 17.2 , 17.4 , and 17.5) with none of the metal exposed at either the inner or outer surface of the extruded insulation shielding before and after the cold-bend test in 38.1
		Applied around the underlying construction	Directly over and in intimate contact with the conductive nonmetallic covering

Sheath	Smooth aluminum or lead sheath complying with 28.2 and 28.4 - 28.6	Tightly formed around the underlying construction	Directly over and in intimate contact with the conductive nonmetallic covering
	or		
	Welded and corrugated aluminum, bronze, or copper sheath complying with 28.2 , 28.3 , 28.7 , and 28.8		
	or		
	Extruded and corrugated aluminum sheath complying with 28.2 , 28.3 , 28.9 , and 28.10		
The sheath in any form shall have an effective cross-sectional area that results in a conductance at least that of the copper wires or straps mentioned above			
<p><sup>a</sup> Additional conductance in the metal component may be necessary to meet circuit needs. This additional conductance is to be provided by adding additional area, by using metal of a higher conductivity, or by using more than one of the constructions described.</p>			
<p><sup>b</sup> In a wire braid, the individual wires shall not be smaller in diameter than 6.3 mils or 0.160 mm (34 AWG).</p>			

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## BSR/UL 1472, Standard for Safety for Solid-State Dimming Controls

### 1. Clarification of Requirements in Clause 7.1.6 for Multi-unit Ganged Installation Derating Factors

7.1.6 The derating factor (see Clause 5.5.4) for a multi-unit ganged installation, in increments of 50 watts or 50 volt-amperes for incandescent, magnetic, electronic low voltage, and magnetic low voltage types, and 100 mA for electronic ballast or self-ballasted lamps, shall be provided on the dimmer, on the packaging or on the instruction sheet packaged with the dimmer.

Exception: For devices tested in accordance with Clause 5.2.3.5 and marked in accordance with Clause 7.1.8, the derating factor may be in increments of 100 mA or 10 W.

### 2. Addition of Requirements for Manufacturer's Recommended Terminal Tightening to Paragraph 7.2.7

7.2.7 A dimmer employing field wiring terminals shall be provided with manufacturer's recommended terminal tightening torque. These instructions shall appear on the device where visible during installation, on the smallest unit container, on an information sheet packaged in the smallest unit container, or on manufacturer's website.

### 3. Inclusion of References to "Replacement or Retrofit Application Only" in Paragraph 7.2.6

7.2.6 With reference to 3) of the Exception of 4.6.5, a dimmer shall be marked with the following or equivalent statement: For use in replacement or retrofit applications only where the grounded (neutral) conductor is not provided in the outlet box." When an equivalent wording is used, it shall contain "replacement or retrofit applications only".

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