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# American National Standards

## Call for comment on proposals listed

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

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

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

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

\* Standard for consumer products

## Comment Deadline: August 19, 2018

### NSF (NSF International)

#### Revision

BSR/NSF 14-201x (i97r3), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

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

### NSF (NSF International)

#### Revision

BSR/NSF 350-201x (i32r2), Onsite residential and commercial, water-reuse treatment systems (revision of ANSI/NSF 350-2017a)

This Standard contains minimum requirements for onsite residential and commercial graywater treatment systems. Systems may include graywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or commercial graywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility graywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from graywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 484-201X, Standard for Room Air Conditioners (revision of ANSI/UL 484-2016)

Revising clause 23.2.2 of UL 484 to add two references to the Standard for Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Temperature Sensing Controls, UL 61800-5-1. Revising SB1.1 of UL 484, which covers the requirements for smart enabled room air conditioners, so that the scope correlates with the similar requirements in the Standard for Household Electric Cooking and Food Serving Appliances, UL 1026.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alan McGrath, (847) 664-3038, [alan.t.mcgrath@ul.com](mailto:alan.t.mcgrath@ul.com)

## Comment Deadline: September 3, 2018

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

#### New Standard

BSR/AAMI EQ93-201x, Medical equipment management - Vocabulary used in medical equipment programs (new standard)

Provides consensus definitions for key terms used in medical equipment management around the maintenance, repair, and servicing of medical devices, so that all stakeholders involved in the regulation, management, and use of medical devices have common understanding when they are used.

Single copy price: Free

Obtain an electronic copy from: Download at: [https://standards.aami.org/higherlogic/ws/public/document?document\\_id=14541&wg\\_id=PUBLIC\\_REV](https://standards.aami.org/higherlogic/ws/public/document?document_id=14541&wg_id=PUBLIC_REV)

Order from: Patrick Bernat; [pbernat@aami.org](mailto:pbernat@aami.org)

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

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

#### Reaffirmation

BSR/AAMI/ISO 11137-2, third edition-2013 (R201x), Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose (reaffirmation of ANSI/AAMI/ISO 11137-2, third edition-2013)

Specifies methods for determining the minimum dose needed to achieve a specified requirement for sterility and methods to substantiate the use of 25 kGy or 15 kGy as the sterilization dose to achieve a sterility assurance level, SAL, of 10<sup>-6</sup>. This part of ISO 11137 also specifies methods of sterilization dose audit used to demonstrate the continued effectiveness of the sterilization dose. Defines product families for sterilization dose establishment and sterilization dose audit.

Single copy price: \$129.00 (AAMI members)/\$229.00 (non-members)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=1113702-PDF>

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

### AARST (American Association of Radon Scientists and Technologists)

#### New Standard

BSR/AARST MS-QA-201x, Radon Measurement Systems Quality Assurance (new standard)

This standard of practice specifies minimum requirements for quality systems designed to quantify the concentration of <sup>222</sup>Rn gas in air, by qualified measurement professionals and laboratories, whose data are intended to be used to determine the need for or success of mitigation. This standard is applicable to the wide variety of radon measurement devices used for indoor measurements, primarily in residential environments or buildings not associated with the possession or handling of radioactive materials.

Single copy price: TBD

Obtain an electronic copy from: [www.radonstandards.us](http://www.radonstandards.us)

Order from: Gary Hodgden, (202) 830-1110, [standards@aarst.org](mailto:standards@aarst.org)

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

**AGMA (American Gear Manufacturers Association)****Reaffirmation**

BSR/AGMA 6032-B-2013 (R201x), Standard for Marine Gear Units: Rating and Application for Spur and Helical Gear Teeth (reaffirmation of ANSI/AGMA 6032-B-2013)

This standard is applicable to marine reduction and reversing gears, including those used in marine propulsion reduction gears driven by internal combustion engines or electric motors from 1,500 to 20,000 horsepower per prime mover, with rotor speeds not exceeding 3600 rpm, marine propulsion reduction gears driven by steam or gas turbines from 1,500 to 30,000 horsepower per prime mover, power take-off gearing that is integral to the propulsion unit, and auxiliary propulsion gears.

Single copy price: \$106.00

Obtain an electronic copy from: [tech@agma.org](mailto:tech@agma.org)

Order from: [tech@agma.org](mailto:tech@agma.org)

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

**AGMA (American Gear Manufacturers Association)****Reaffirmation**

BSR/AGMA 6132-B-2013 (R201x), Standard for Marine Gear Units: Rating and Application for Spur and Helical Gear Teeth - Metric Edition (reaffirmation of ANSI/AGMA 6132-B-2013)

This standard is applicable to marine reduction and reversing gears, including those used in marine propulsion reduction gears driven by internal combustion engines or electric motors from 1120 to 14,900 kW per prime mover, with rotor speeds not exceeding 3600 rpm, marine propulsion reduction gears driven by steam or gas turbines from 1120 to 22,370 kW per prime mover, power take-off gearing that is integral to the propulsion unit, and auxiliary propulsion gears.

Single copy price: \$101.00

Obtain an electronic copy from: [tech@agma.org](mailto:tech@agma.org)

Order from: [tech@agma.org](mailto:tech@agma.org)

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

**APCO (Association of Public-Safety Communications Officials-International)****New Standard**

BSR/APCO 1.113.1-201x, Incident Handling Process (new standard)

The standard will take the call-handling process from its root. Starting with the call-delivery mechanism of the equipment, which can affect the call-handling initiation, it will continue to the actual triage of the call to its dissemination. The goal is to bring the call-handling process into full circle from the initiation of the call through the caller triage and finally into the dissemination of information. This will include the continued support of responders through the dissemination portion.

Single copy price: Free

Obtain an electronic copy from: [apcostandards@apcointl.org](mailto:apcostandards@apcointl.org)

Order from: [apcostandards@apcointl.org](mailto:apcostandards@apcointl.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [https://workspace.apcointl.org/higherlogic/ws/public/document?document\\_id=1621&wg\\_id=operational](https://workspace.apcointl.org/higherlogic/ws/public/document?document_id=1621&wg_id=operational)

**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASAE/ISO 5687-201X MONYEAR, Equipment for harvesting - Combine harvesters - Determination and designation of grain tank capacity and unloading device performance (identical national adoption of ISO 5687:2018 and revision of ANSI/ASAE/ISO 5687-2014)

This Standard specifies a preferred method for determining and designating the capacity and unloading rate of combine harvester grain tanks and unloading systems.

Single copy price: \$65.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

**ASABE (American Society of Agricultural and Biological Engineers)****New Standard**

BSR/ASABE S647 MONYEAR-201x, Seed Cotton Module Identification System (new standard)

The scope of the standard is limited to identification of seed cotton modules and the technology to read the identifiers. It does not address data transfer beyond the identifier such as area harvested, location, or ownership information.

Single copy price: \$65.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

**ASABE (American Society of Agricultural and Biological Engineers)****Revision**

BSR/ASABE S602.3 MONYEAR-201x, General Safety Standard for Agricultural Tractors in Scraper Application (revision and redesignation of ANSI/ASABE S602.2 MONYEAR-2015)

This Standard provides safety requirements for agricultural scraper tractors as defined in ASAE S390, when used in construction environments, as defined in ISO 6165. This standard does not apply to agricultural tractors used in traditional agricultural applications, such as land leveling. Agricultural scraper tractors that meet the requirements of this standard are suitable for use in traditional agricultural tractor applications.

Single copy price: \$65.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

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

### Revision

BSR/ASABE S604.2 MONYEAR-201x, Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment (revision and redesignation of ANSI/ASABE S604.1-2014)

This standard is a guide to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of the power take-off (PTO) drive shafts of a tractor or self-propelled machine used in agriculture and the power input connection (PIC) of its implement, in addition to what is given in ANSI/ASABE AD5673-1. It is applicable only to those PTO drive shafts and guards mechanically linked to the shaft by at least two bearings.

Single copy price: \$65.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

### Reaffirmation

BSR/ASHRAE Standard 29-201x, Methods of Testing Automatic Ice Makers (reaffirmation of ANSI/ASHRAE Standard 29-2015)

This standard prescribes a method of testing automatic ice makers by: (a) specifying procedures to be used when testing automatic ice makers, (b) establishing the types of equipment to which the provisions of the standard apply, (c) defining terms describing the equipment covered and terms related to testing, (d) specifying the type of instrumentation and test apparatus required in testing, (e) specifying a uniform method for calculation of results, and (f) specifying data and results to be recorded.

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

## CSA (CSA Group)

### Revision

BSR Z21.1-201x, Household Cooking Gas Appliances (same as CSA 1.1) (revision of ANSI Z21.1-2016)

Details test and examination criteria for household cooking appliances for use with natural manufactured and mixed gases, liquefied petroleum gases and LP gas-air mixtures. The standard defines a household cooking gas appliance as an appliance for domestic food preparation, providing at least one function of (1) top or surface cooking, (2) oven cooking, or (3) broiling.

Single copy price: Free

Obtain an electronic copy from: [david.zimmerman@csagroup.org](mailto:david.zimmerman@csagroup.org)

Order from: David Zimmerman, (216) 524-4990, [david.zimmerman@csagroup.org](mailto:david.zimmerman@csagroup.org)

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

## ECIA (Electronic Components Industry Association)

### New Standard

BSR/EIA 166-201x, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard)

This standard pertains to miniature unpressurized contact flanges for use with rectangular waveguides as specified in latest issue EIA standard RS-261. It contains a list of waveguide flange assemblies with pertinent drawing dimensions. By specifying assembly dimensions in lieu of detail part drawings it provides for interchangeability and permits manufacturing flexibility with regard to the method of joining the flange to the waveguide.

Single copy price: \$100.00

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski; [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

## ECIA (Electronic Components Industry Association)

### New Standard

BSR/EIA 271-B-201x, Waveguide flanges - Pressurizeable contact types for waveguide sizes WR90 to WR2300 (new standard)

This section of the standard pertains to pressurizable contact flanges for use with rectangular waveguide as specified in the latest issue EIA Standard EIA 261, Rectangular Waveguides (WR10 to WR2300), for the waveguide sizes WR90 through WR650. It contains a list of waveguide flange assemblies together with pertinent drawing dimensions. By specifying assembly dimensions in lieu of detailed part drawings, it provides for interchangeability and permits manufacturing flexibility with regard to the method of joining the flange to the waveguide.

Single copy price: \$100.00

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski; [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

## ECIA (Electronic Components Industry Association)

### New Standard

BSR/EIA 285-A-201x, Waveguide Flanges - Dual Contact Pressurizeable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard)

This standard pertains to waveguide flanges for the situation where two waveguides are in close proximity, such as short slot hybrids, dual TR tubes, etc., and provides a Dual Contact Pressurizeable Flange for use with two rectangular waveguides per EIA standard RS-261, Rectangular Waveguides (WR10 to WR2300), for the waveguide sizes WR90 through WR975, for both the narrow wall and broad walls of the waveguides adjacent to each other. It also provides for a miniature version for the waveguide sizes from WR90 to WR284. Drawings plus tables showing the actual dimensions are given. By specifying assembly dimensions in lieu of detailed part drawings it provides for interchangeability and permits manufacturing flexibility with regard to the method of joining the flanges to the waveguide.

Single copy price: \$100.00

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski; [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)*****New Standard***

BSR/EIA 304-A-201x, Rigid Waveguides (new standard)

This standard pertains to both single-ridge and double-ridge waveguides, having bandwidth ratios of 2.4 to 1 and 3.6 to 1.

Single copy price: \$100.00

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski; [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ISA (International Society of Automation)*****New Standard***

BSR/ISA 96.01.01-201x, Valve Actuator Terminology (new standard)

This standard contains terminology for valve actuators and their accessories.

Single copy price: \$50.00

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

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

**ISEA (International Safety Equipment Association)*****New Standard***

BSR/ISEA 138-201x, Performance and Classification for Impact-Resistant Hand Protection (new standard)

This standard establishes minimum performance, classification, and labeling requirements for hand protection products designed to protect the knuckles and back of the hand from impact forces while performing occupational tasks.

Single copy price: \$20.00

Obtain an electronic copy from: <https://safetyequipment.org/resources/shop/>

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

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

BSR/UL 60034-1-201X, Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (identical national adoption of IEC 60034-1 and revision of ANSI/UL 60034-1-2016)

UL proposes a new edition of UL 60034-1 which is an identical adoption of IEC 60034-1, 13th Edition, which covers rating and performance criteria applicable to all rotating electrical machines.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@ul.com](mailto:Jonette.A.Herman@ul.com)

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

BSR/UL 1703-201x, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2017)

This proposal for UL 1703 covers: (1) Clarification of the manner of conveyance of installation and assembly instructions, Section 48; (2) Addition of requirements for PV modules as class 2 power sources as defined in NEC Table 11(B) and for use in applications as defined by NEC article 725 as well as with other class 2 power source products and systems; (3) Addition of bifacial module requirements; and (4) Revisions to Appendix B, Retest Guidelines.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Susan Malohn, (847) 664-1725, [Susan.P.Malohn@ul.com](mailto:Susan.P.Malohn@ul.com)

**VITA (VMEbus International Trade Association (VITA))*****Reaffirmation***

BSR/VITA 51.1-2013 (R201x), Reliability Prediction MIL-HDBK-217 Subsidiary Specification (reaffirmation of ANSI/VITA 51.1-2013)

This specification provides standard defaults and methods to adjust the models in MIL-HDBK-217F Notice 2. This is not a revision of MIL-HDBK-217F Notice 2 but a standardization of the inputs to the MIL-HDBK-217F Notice 2 calculations to give more consistent results.

Single copy price: \$25.00

Obtain an electronic copy from: [admin@vita.com](mailto:admin@vita.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [admin@vita.com](mailto:admin@vita.com)

**Comment Deadline: September 18, 2018**

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

**ASME (American Society of Mechanical Engineers)*****New Standard***

BSR/ASME B1.25-20XX, Measurement Uncertainty Factors in the Calibration of Screw Thread Gages (new standard)

This document notes technical factors that can explain measurement differences between two parties calibrating the same gage. It is directed to the metrology involved, not acceptance rules or other quality considerations.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: April Amaral, (212) 591-8402, [AmaralA@asme.org](mailto:AmaralA@asme.org)

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

BSR/ASME B29.12M-1997 (R201x), Steel Bushed Rollerless Chains, Attachments and Sprockets (reaffirmation of ANSI/ASME B29.12M-1997 (R2013))

This Standard provides the following information for steel brushed rollerless chains, attachments, and sprocket teeth.

Single copy price: \$43.00

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

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

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

BSR/ASME B29.17M-1998 (R201x), Hinge Type Flat Top Conveyor Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.17M-1998 (R2013))

This Standard contains information for hinge-type flat-top conveyor chains and sprocket teeth.

Single copy price: \$43.00

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

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

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

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

BSR/ASME MFC-26-201x, Measurement of Gas Flow by Bellmouth Inlet Flowmeters (reaffirmation of ANSI/ASME MFC-26-2011)

This standard applies only to the steady flow of single-phase gasses and gas mixtures and applies only to bellmouth inlet flowmeters in which the flow remains subsonic throughout the measuring section and the flow is steady or varies only slowly with time. It also addresses procedures by which calibration of the device can be made to allow from application with consistent conclusions and with known limits of uncertainty.

Single copy price: \$54.00

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

BSR/ASME MFC-21.2-201x, Thermal Mass Meters - Dispersion Flowmeters (reaffirmation of ANSI/ASME MFC-21.2-2010)

This Standard establishes common terminology and gives guidelines for the quality, description, principle of operation, selection, installation, and flow calibration of thermal dispersion flowmeters for the measurement of the mass flow rate, and to a lesser extent, the volumetric flow rate, of the flow of a fluid in a closed conduit.

Single copy price: \$39.00

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**Technical Reports Registered with ANSI**

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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).

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

AAMI/ISO TIR 21900, Guidance for uncertainty analysis regarding the application of ISO/TS 10974 (technical report)

Provides guidance for some methods that could be used to evaluate the sources of uncertainty as related to AAMI/ISO TIR10974. It is important to note that there are many legitimate methods for analyzing the overall uncertainty and that the methods in this document are illustrative only.

Single copy price: \$89.00 (AAMI members)/\$152.00 (list)

Order from: [www.aami.org](http://www.aami.org)

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

**30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date**

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

**ABYC (American Boat and Yacht Council)**

ANSI/ABYC H-3-2008, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials

**ABYC (American Boat and Yacht Council)**

ANSI/ABYC H-40-2008, Anchoring, Mooring and Strong Points

**API (American Petroleum Institute)**

ANSI/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007, Calculation of Gross Heating Value, Specific Gravity, and Compressibility of Natural Gas Mixtures from Compositional Analysis

**ASA (ASC S12) (Acoustical Society of America)**

ANSI/ASA S12.2-2008, Criteria for Evaluating Room Noise

**ASSP (Safety) (American Society of Safety Professionals)**

ANSI/AIHA Z9.6-2008, Exhaust Systems for Grinding, Polishing, and Buffing

**AWS (American Welding Society)**

ANSI/AWS C3.2M/C3.2-2008, Standard Methods for Evaluating the Strength of Brazed Joints

**AWS (American Welding Society)**

ANSI/AWS D10.7M/D10.7-2008, Guide for the Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 592-2007, Standard for Exposed Semiconducting Shields on High Voltage Cable Joints and Separable Connectors

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1014-2008, Standard for a Versatile Backplane Bus: VMEbus

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1101.1-2008, Standard for Mechanical Core Specifications for Microcomputers Using IEC 60603-2 Connectors

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1101.2-1993 (R2008), Standard for Mechanical Core Specifications for Conduction-Cooled Eurocards

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1101.10-1996 (R2008), Standard for Additional Mechanical Specifications for Microcomputers Using the IEEE Std 1101.1-1991 Equipment Practice

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1101.11-1998 (R2008), Standard for Mechanical Rear Plug-in Units Specifications for Microcomputers Using IEEE 1101.1 and IEEE 1101.10 Equipment Practice

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1301.4-1997 (R2008), Standard for a Metric Equipment Practice for Microcomputers - Coordination Document for Mezzanine Cards

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1562-2007, Guide for Array and Battery Sizing in Stand-Alone Photovoltaic (PV) Systems

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1619-2007, Standard for Cryptographic Protection of Data on Block-Oriented Storage Devices

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 1686-2008, Standard for Substation Intelligent Electronic Devices (IED) Cyber Security Capabilities

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE 12207-2008, Systems and Software Engineering - Software Life Cycle Processes

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.1-2007, Standard for SCADA and Automation Systems

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.12.1-2007, Guide for High Voltage (&gt;1000V) Circuit Breaker Instruction Manual Content

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.59-2007, Standard Requirements for Conversion of Power Switchgear Equipment

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.91-2008, Guide for Protecting Power Transformers

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.95-2002 (R2007), Guide for Protective Relaying of Utility-Consumer Interconnections

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C37.108-2002 (R2007), Guide for the Protection of Network Transformers

**IEEE (Institute of Electrical and Electronics Engineers)**

ANSI/IEEE C95.6-2007, Standard for Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0-3 kHz

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

ANSI/SCTE 71-2008, Specification for Braided, 75 Ohms, Coaxial, Multi-Purpose Cable

**SIA (Security Industry Association)**

ANSI/SIA DC-09-2007, SIA Digital Communication Standard Internet Protocol Event Reporting

**SIA (Security Industry Association)**

ANSI/SIA OSIPS-DVI-01-2008, Open, Systems Integration and Performance Standards - Digital Video Interface Data Model

**SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)**

ANSI/SMACNA 008-2008, IAQ Guidelines for Occupied Buildings under Construction

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-1B-1998 (R2008), Cable Flexing for Fiber Optic Interconnecting Devices

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-2C-1998 (R2008), Impact Test Measurements for Fiber Optic Devices

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-8-2000 (R2008), Measurement of Splice or Connector Loss and Reflectance Using an OTDR

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-32A-1990 (R2008), Fiber Optic Circuit Discontinuities

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-42A-1989 (R2008), Optical Crosstalk in Fiber Optic Components

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-107A-1999 (R2008), Determination of Component Reflectance or Link/System Return Loss Using a Loss Test Set

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-157-1994 (R2008), Measurement of Polarization Dependent Loss (PDL) of Single-Mode Fiber Optic Components

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-171-A-2001 (R2008), Attenuation by Substitution Measurement for Short-Length Multimode Graded-Index and Single-Mode Optical Fiber Cable Assemblies

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-172-1986 (R2008), Flame Resistance of Firewall Connector

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-180-A-1999 (R2008), Measurement of the Optical Transfer Coefficients of a Passive Branching Device (Coupler)

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-186-1991 (R2008), Gauge Retention Force Measurement for Fiber Optic Components

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-187-1991 (R2008), Engagement and Separation Force Measurement of Fiber Optic Connector Sets

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-188-1991 (R2008), Low Temperature Testing of Fiber Optic Components

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-194-1999 (R2008), Measurement of Fiber Pushback in Optical Connectors

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-196-1999 (R2008), Guideline for Polarization-Mode Measurement in Single-Mode Fiber Optic Components and Devices

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-197-2000 (R2008), Differential Group Delay Measurement of Single-Mode Components and Devices by the Differential Phase Shift Method

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-200-2001 (R2008), Insertion Loss of Connectorized Polarization -Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies

**TIA (Telecommunications Industry Association)**

ANSI/TIA 455-201-2001 (R2008), Return Loss of Connectorized Polarization -Maintaining or Polarizing Fiber Pigtailed Devices or Cable Assemblies

**TIA (Telecommunications Industry Association)**

ANSI/TIA 492AAAB-A-2008, Detail specification for 50-micrometer core diameter/125-micrometer cladding diameter class Ia graded-index multimode optical fibers

**TIA (Telecommunications Industry Association)**

ANSI/TIA 492AAAC-B-2008, Detail specification for 850-nm laser-optimized, 50-micrometer core diameter/125-micrometer cladding diameter class Ia graded-index multimode optical fibers

**TIA (Telecommunications Industry Association)**

ANSI/TIA 492AAAA-B-2008, Detail specification for 62.5-micrometer core diameter/125-micrometer cladding diameter class Ia graded-index multimode optical fibers

**WCMA (Window Covering Manufacturers Association)**

ANSI/WCMA A101.1-2008, Corded Horizontal Louver Blinds with Metal Slat



# Call for Members (ANS Consensus Bodies)

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

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

**Office:** 4301 N. Fairfax Drive, Suite 301  
Arlington, VA 22203-1633

**Contact:** Patrick Bernat

**Phone:** (703) 253-8298

**E-mail:** pbernat@aami.org

BSR/AAMI EQ93-201x, Medical equipment management - Vocabulary used in medical equipment programs (new standard)

BSR/AAMI/ISO 11137-2, third edition-2013 (R201x), Sterilization of health care products -- Radiation -- Part 2: Establishing the sterilization dose (reaffirmation of ANSI/AAMI/ISO 11137-2, third edition-2013)

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** Tanisha Meyers-Lisle

**Phone:** (678) 539-1111

**E-mail:** tmlisle@ashrae.org

BSR/ASHRAE Standard 17-201X, Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves (revision of ANSI/ASHRAE Standard 17-2015)

BSR/ASHRAE Standard 29-201x, Methods of Testing Automatic Ice Makers (reaffirmation of ANSI/ASHRAE Standard 29-2015)

BSR/ASHRAE Standard 35-201x, Method of Testing Desiccants for Refrigerant Drying (revision of ANSI/ASHRAE Standard 35-2014)

BSR/ASHRAE Standard 79-201x, Method of Testing for Fan-Coil Units (revision of ANSI/ASHRAE Standard 79-2015)

BSR/ASHRAE Standard 130-201x, Laboratory Methods of Test for Air Terminal Units (revision of ANSI/ASHRAE Standard 130-2016)

BSR/ASHRAE Standard 133-201X, Method of Testing Direct Evaporative Air Coolers (revision of ANSI/ASHRAE Standard 133-2015)

BSR/ASHRAE Standard 143-201X, Method of Testing for Rating Indirect Evaporative Coolers (revision of ANSI/ASHRAE Standard 143-2015)

BSR/ASHRAE Standard 152-201x, Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems (revision of ANSI/ASHRAE Standard 152-2014)

BSR/ASHRAE Standard 153-201X, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves (revision of ANSI/ASHRAE Standard 153-2015)

BSR/ASHRAE Standard 193-201X, Method of Test for Determining the Airtightness of HVAC Equipment (revision of ANSI/ASHRAE Standard 193-2010 (R2014))

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

**Office:** Two Park Avenue  
New York, NY 10016-5990

**Contact:** Mayra Santiago

**Phone:** (212) 591-8521

**E-mail:** ansibox@asme.org

BSR/ASME A17.8-2016/CSA B44.8-201x, Standard for Wind Turbine Elevators (revision of ANSI/ASME A17.8-2016/CSA B44.8-2016)

## **ECIA (Electronic Components Industry Association)**

**Office:** 2214 Rock Hill Road  
Suite 265  
Herndon, VA 20170-4212

**Contact:** Laura Donohoe

**Phone:** (571) 323-0294

**E-mail:** ldonohoe@ecianow.org

BSR/EIA 166-201x, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard)

BSR/EIA 271-B-201x, Waveguide flanges - pressurizeable contact types for waveguide sizes WR90 to WR2300 (new standard)

BSR/EIA 285-A-201x, Waveguide Flanges - Dual Contact Pressurizeable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard)

BSR/EIA 304-A-201x, Rigid Waveguides (new standard)

## **ISA (International Society of Automation)**

**Office:** 67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** Eliana Brazda

**Phone:** (919) 990-9228

**E-mail:** ebrazda@isa.org

BSR/ISA 96.01.01-201x, Valve Actuator Terminology (new standard)

BSR/ISA 62453-315-201x, Field device tool (FDT) interface specification  
 - Part 315: Communication profile integration (national adoption of IEC 62453-315 Ed. 1.1 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)

BSR/ISA 62453-303-1 (103.00.05)-201x, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration  
 - IEC 61784 CP 3/1 and CP 3/2 (national adoption of IEC 62453-303-1 with modifications and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)

BSR/ISA 62453-303-2 (103.00.06)-201x, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration  
 - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (national adoption of IEC 62453-303-2 with modifications and revision of ANSI/ISA 62453-303-2 (103.00.06)-2011)

#### **ISEA (International Safety Equipment Association)**

**Office:** 1901 North Moore Street  
 Suite 808  
 Arlington, VA 22209

**Contact:** *Cristine Fargo*

**Phone:** (703) 525-1695

**E-mail:** cfargo@safetysafetyequipment.org

BSR/ISEA 138-201x, Performance and Classification for Impact-Resistant Hand Protection (new standard)

#### **NSF (NSF International)**

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

**Contact:** *Jason Snider*

**Phone:** (734) 418-6660

**E-mail:** jsnider@nsf.org

BSR/NSF 14-201x (i97r3), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

BSR/NSF 350-201x (i32r2), NSF/ANSI 350 - Onsite residential and commercial, waterreuse treatment systems (revision of ANSI/NSF 350-2017a)

#### **PLASTICS (Plastics Industry Association)**

**Office:** 1425 K Street NW, Suite 500  
 Washington, DC 20005

**Contact:** *Megan Hayes*

**Phone:** (202) 974-5217

**E-mail:** mhayes@plasticsindustry.org

BSR/PLASTICS B151.5-201x, Safety Requirements for the Manufacture, Care and Use of Plastic Film and Sheet Winding, Slitter Rewinding and Unwinding Equipment (new standard)

BSR/PLASTICS B151.11-201x, Safety Requirements for the Manufacture, Care and Use of Granulators, Strand Pelletizers, Dicers and Single Shaft Shredders (new standard)

#### **VITA (VMEbus International Trade Association (VITA))**

**Office:** 929 W. Portobello Avenue  
 Mesa, AZ 85210

**Contact:** *Jing Kwok*

**Phone:** (602) 281-4497

**E-mail:** jing.kwok@vita.com

BSR/VITA 51.1-2013 (R201x), Reliability Prediction MIL-HDBK-217 Subsidiary Specification (reaffirmation of ANSI/VITA 51.1-2013)

# **Call for Members (ANS Consensus Bodies)**

## **Call for Committee Members**

### **ASC O1 – Safety Requirements for Woodworking Machinery**

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

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at [jennifer@wmma.org](mailto:jennifer@wmma.org).

# Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

## ABMA (ASC B3) (American Bearing Manufacturers Association)

### *New National Adoption*

ANSI/ABMA/ISO 15242-3-2018, Rolling bearings - Measuring methods for vibration - Part 3: Radial spherical and tapered roller bearings with cylindrical bore and outside surface (identical national adoption of ISO 15242-3-2017 and revision of ANSI/ABMA/ISO 15242-3-2012): 7/11/2018

## ABYC (American Boat and Yacht Council)

### *New Standard*

ANSI/ABYC A-23-2018, Sound Signal Appliances (new standard): 7/13/2018

ANSI/ABYC C-3-2018, Alcohol, Kerosene and Solidified Fuel Cooking Appliances for Marine Use (new standard): 7/10/2018

### *Revision*

ANSI/ABYC A-33-2018, Emergency Engine/Propulsion Cut-off Devices (revision of ANSI/ABYC A-33-2009): 7/10/2018

ANSI/ABYC E-11-2018, AC & DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2015): 7/13/2018

## ASA (ASC S12) (Acoustical Society of America)

### *New National Adoption*

ANSI ASA S12.11-2013/Part 1/ISO 10302-1:2011 (R2018), Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 1: Airborne noise measurement (a nationally adopted international standard) (reaffirm a national adoption ANSI ASA S12.11-2013/Part 1/ISO 10302-1:2011): 7/13/2018

### *Reaffirmation*

ANSI ASA S12.11 PT 2-2013, ISO 10302-2:2011 (R2018), Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 2: Structure-borne vibration measurements (a nationally adopted international standard) (reaffirmation of ANSI ASA S12.11 PT 2-2013, ISO 10302-2:2011): 7/13/2018

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

### *New Standard*

ANSI X9.112-3-2018, Wireless Management and Security - Part 3: Mobile Banking (new standard): 7/10/2018

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

### *Addenda*

ANSI/ASHRAE 62.1f-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE 62.1g-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE 62.1h-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE 62.1j-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE 62.1w-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE 62.1z-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 6/28/2018

ANSI/ASHRAE Standard 15a-2018, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2016): 6/28/2018

ANSI/ASHRAE Standard 15e-2018, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2016): 6/28/2018

ANSI/ASHRAE Standard 34g-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 6/28/2018

ANSI/ASHRAE Standard 34i-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 6/28/2018

ANSI/ASHRAE Standard 34o-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016): 6/28/2018

## ASME (American Society of Mechanical Engineers)

### *Reaffirmation*

ANSI/ASME B94.9-2008 (R2018), Taps: Ground and Cut Threads with Cut Thread Appendix (Inch and Metric Sizes) (reaffirmation of ANSI/ASME B94.9-2008 (R2013)): 7/13/2018

## ASTM (ASTM International)

### *New Standard*

ANSI/ASTM F3312-2018, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly (new standard): 6/26/2018

### *Reaffirmation*

ANSI/ASTM F2157-2009 (R2018), Specification for Synthetic Surfaced Running Tracks (reaffirmation of ANSI/ASTM F2157-2009): 7/1/2018

ANSI/ASTM F2184-2010 (R2018), Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010 (R2014)): 6/26/2018

ANSI/ASTM F2283-2012 (R2018), Specification for Shipboard Oil Pollution Abatement System (reaffirmation of ANSI/ASTM F2283-2012): 7/1/2018

ANSI/ASTM F2573-2006 (R2018), Specification for Low Velocity Resilient Material Projectile (reaffirmation of ANSI/ASTM F2573-2006 (R2014)): 6/26/2018

ANSI/ASTM F2574-2006 (R2018), Specification for Low Velocity Projectile Marker (reaffirmation of ANSI/ASTM F2574-2006 (R2014)): 6/26/2018

ANSI/ASTM F3085-2014 (R2018), Specification for Air Soft Gun Barrel Blocking Devices (reaffirmation of ANSI/ASTM F3085-2014): 6/26/2018

### *Revision*

ANSI/ASTM E18-2018, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2015): 7/1/2018

ANSI/ASTM E84-2018, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2017): 7/1/2018

ANSI/ASTM E2708-2018, Terminology for Accreditation and Certification (revision of ANSI/ASTM E2708-2017): 7/1/2018

ANSI/ASTM F1250-2018, Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers (revision of ANSI/ASTM F1250-2013): 6/26/2018

ANSI/ASTM F1447-2018, Specification for Helmets Used in Recreational Bicycling or Roller Skating (revision of ANSI/ASTM F1447-2012): 6/26/2018

ANSI/ASTM F1776-2018, Specification for Eye Protective Devices for Paintball Sports (revision of ANSI/ASTM F1776-2016): 7/1/2018

ANSI/ASTM F2106-2018, Test Methods for Evaluating Design and Performance Characteristics of Motorized Treadmills (revision of ANSI/ASTM F2106-2012): 6/26/2018

ANSI/ASTM F2115-2018, Specification for Motorized Treadmills (revision of ANSI/ASTM F2115-2012): 6/26/2018

ANSI/ASTM F2337-2018, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2016): 6/26/2018

ANSI/ASTM F3023-2018, Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers (revision of ANSI/ASTM F3023-2013): 6/26/2018

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

### ***New Standard***

ANSI/AWS A4.3-2018, Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings (new standard): 7/12/2018

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

### ***Addenda***

- \* ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014): 7/10/2018

### ***Reaffirmation***

- \* ANSI/CTA 708-E-2013 (R2018), Digital Television (DTV) Closed Captioning (reaffirmation of ANSI/CEA 708-E-2013): 7/10/2018

## **ESTA (Entertainment Services and Technology Association)**

### ***Revision***

ANSI E1.46-2018, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (revision of ANSI E1.46-2016): 7/13/2018

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

### ***New Standard***

ANSI/IAPMO Z601-2018, Scale Reduction Devices (new standard): 7/11/2018

## **IEEE (Institute of Electrical and Electronics Engineers)**

### ***New Standard***

ANSI/IEEE 1591.2-2017, Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable (new standard): 7/10/2018

## **ISA (International Society of Automation)**

### ***New National Adoption***

ANSI/ISA 61511-1-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements (identical national adoption of IEC 61511-1 Ed. 2.0): 7/11/2018

ANSI/ISA 61511-2-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC-61511-1 (identical national adoption of IEC 61511-2 Ed. 2.0): 7/11/2018

ANSI/ISA 62443-2-4-2018, Security for Industrial Automation and Control Systems - Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4): 7/13/2018

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

### ***New Standard***

INCITS 487-2018, Information technology - Fibre Channel - Link Services - 3 (FC-LS-3) (new standard): 7/10/2018

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

### ***New Standard***

ANSI/MHI ECMA 35-2018, Electrification Systems for Electric Overhead Traveling Cranes (new standard): 7/11/2018

## **SDI (ASC A250) (Steel Door Institute)**

### ***Revision***

ANSI A250.4-2018, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2011): 7/10/2018

## **TAPPI (Technical Association of the Pulp and Paper Industry)**

### ***New Standard***

ANSI/TAPPI T 579-2018, Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (new standard): 7/10/2018

ANSI/TAPPI T 830-2018, Ink rub test of containerboard and corrugated board (new standard): 7/10/2018

### ***Reaffirmation***

ANSI/TAPPI T 530-2018, Size test for paper by ink resistance (Hercules-type method) (reaffirmation and redesignation of ANSI/TAPPI T 530 om-2012): 7/10/2018

### ***Revision***

ANSI/TAPPI T 281-2018, Open drum washer mat sampling technique (revision of ANSI/TAPPI T 281 sp-2012): 7/10/2018

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

### ***Revision***

ANSI/TIA 570-D-2018, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012): 7/13/2018

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

### ***New National Adoption***

ANSI/UL 60335-2-8-2018, Standard for Safety for Household and Similar Electrical Appliances - Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances (Proposal dated 4-6-18) (national adoption of IEC 60335-2-8 with modifications and revision of ANSI/UL 60335-2-8-2012): 6/14/2018

ANSI/UL 60745-2-15-2018, Standard for Safety for Hand-Held Motor-Operated Electric Tools Safety - Part 2-15: Particular Requirements for Hedge Trimmers (national adoption of IEC 60745-2-15 with modifications and revision of ANSI/UL 60745-2-15-2017): 6/22/2018

ANSI/UL 62841-3-4-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-4 Particular Requirements for Transportable Bench Grinders (identical national adoption of IEC 62841-3-4 and revision of ANSI/UL 62841-3-4-2016): 6/22/2018

ANSI/UL 62841-3-6-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6 Particular Requirements for Transportable Diamond Drills and Liquid System (identical national adoption of IEC 62841-3-6 and revision of ANSI/UL 62841-3-6-2016): 6/22/2018

ANSI/UL 62841-3-10-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-10 Particular Requirements for Transportable Cut-Off Machines (national adoption of IEC 62841-3-10 with modifications and revision of ANSI/UL 62841-3-10-2016): 6/22/2018

### **Reaffirmation**

ANSI/UL 140-2008 (R2018), Standard for Safety for Relocking Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2012)): 7/6/2018

ANSI/UL 218A-2004 (R2018), Standard for Safety for Battery Contactors for Use in Diesel Engines Driving Centrifugal Fire Pumps (reaffirmation of ANSI/UL 218A-2004 (R2013)): 7/9/2018

ANSI/UL 489A-2008 (R2018), Standard for Safety for Circuit Breakers for Use in Communications Equipment (reaffirmation of ANSI/UL 489A-2008 (R2013)): 7/3/2018

ANSI/UL 603-2013 (R2018), Standard for Safety for Power Supplies for Use with Burglar-Alarm Systems (reaffirmation of ANSI/UL 603-2013): 7/6/2018

ANSI/UL 639-2012 (R2018), Standard for Safety for Intrusion-Detection Units (reaffirmation of ANSI/UL 639-2012): 7/9/2018

ANSI/UL 768-2013 (R2018), Standard for Combination Locks (reaffirmation of ANSI/UL 768-2013): 7/12/2018

ANSI/UL 1486-2003 (R2018), Standard for Quick Opening Devices for Dry Pipe Valves for Fire Protection Service (reaffirmation of ANSI/UL 1486-2003 (R2013)): 7/13/2018

### **Revision**

ANSI/UL 62-2018, Standard for Safety for Flexible Cords and Cables (Proposals dated 8/4/17) (revision of ANSI/UL 62-2014): 7/6/2018

ANSI/UL 260-2018, Standard for Safety for Dry Pipe and Deluge Valves for Fire-Protection Service (revision of ANSI/UL 260-2008 (R2017)): 7/3/2018

ANSI/UL 260-2018a, Standard for Safety for Dry Pipe and Deluge Valves for Fire-Protection Service (revision of ANSI/UL 260-2008 (R2017)): 7/3/2018

ANSI/UL 330-2018, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2017): 7/12/2018

ANSI/UL 567A-2018, Standard for Safety for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 567A-2015): 6/29/2018

ANSI/UL 567B-2018, Standard for Safety for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 567B-2015): 6/29/2018

ANSI/UL 985-2018, Standard for Safety for Household Fire Warning System Units (revision of ANSI/UL 985-2017): 7/12/2018

ANSI/UL 985-2018a, Standard for Safety for Household Fire Warning System Units (revision of ANSI/UL 985-2017): 7/12/2018

ANSI/UL 1063-2018, Standard for Safety for Machine-Tool Wires and Cables (revision of ANSI/UL 1063-2017): 7/2/2018

ANSI/UL 1283-2018, Standard for Safety for Electromagnetic Interference Filters (revision of ANSI/UL 1283-2017): 6/5/2018

ANSI/UL 1283-2018a, Standard for Safety for Electromagnetic Interference Filters (revision of ANSI/UL 1283-2017): 6/5/2018

ANSI/UL 2586A-2018, Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 2586A-2016): 6/29/2018

ANSI/UL 2586B-2018, Standard for Safety for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 2586B-2015): 6/29/2018

\* ANSI/UL 2743-2018, Standard for Safety for Portable Power Packs (revision of ANSI/UL 2743-2016): 7/2/2018

ANSI/UL 2743-2018a, Standard for Safety for Portable Power Packs (Proposal dated 2-16-18) (revision of ANSI/UL 2743-2016): 7/2/2018

# Project Initiation Notification System (PINS)

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

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

[List of Approved and Proposed ANS](#)

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

## **AAFS (American Academy of Forensic Sciences)**

**Office:** 410 North 21st Street  
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BSR/ASB Std 095-201x, Standard for Minimum Qualifications and Training for a Footwear/Tire Forensic Science Service Provider (new standard)

**Stakeholders:** This document will impact forensic footwear and tire trainees, trainers, and forensic managers.

**Project Need:** This document provides the minimum qualifications in which a course of study and other comprehensive training programs are developed and written for a footwear and tire forensic science service provider. At this time, no other consensus standards are available on this topic.

This standard describes the minimum qualifications and training for a Footwear/Tire Forensic Science Service Provider (FSSP) with little to no experience or previous training. This standard outlines what topics should be covered in a training program and is not intended to be the sole source of training material.

## **ABMA (ASC B3) (American Bearing Manufacturers Association)**

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Chicago, IL 60611

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**E-mail:** [jconverse1@nc.rr.com](mailto:jconverse1@nc.rr.com)

BSR/ABMA 19.1-201x, Tapered Roller Bearings - Radial Metric Design (reaffirmation of ANSI/ABMA 19.1-2011)

**Stakeholders:** Bearing manufacturers and users.

**Project Need:** Standard is widely used and needs to remain an American National Standard.

This standard covers metric-design radial-tapered roller bearings of various types, part-numbering systems, boundary dimensions, tolerances, and fitting practices.

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

**Office:** 275 West Street  
Suite 107  
Annapolis, MD 21401

**Contact:** *Ambria Frazier*

**E-mail:** [Ambria.frazier@x9.org](mailto:Ambria.frazier@x9.org)

BSR X9.42-201x, Public Key Cryptography for Financial Services Industry: Agreement of Symmetric Keys Using Discrete Logarithm Cryptography (revision of ANSI X9.42-2003 (R2013))

**Stakeholders:** All stakeholders currently relying on X9.42-2003 or requiring up-to-date information regarding Agreement of Symmetric Keys Using Discrete Logarithm Cryptography.

**Project Need:** This project is the periodic review and update (as needed) to ANSI X9.42-2003, Public Key Cryptography for Financial Services Industry: Agreement of Symmetric Keys Using Discrete Logarithm Cryptography.

This standard specifies schemes for the agreement of symmetric keys using Diffie-Hellman and MQV algorithms. It covers methods of domain parameter generation, domain parameter validation, key pair generation, public key validation, shared secret value calculation, key derivation, and test-message authentication code computation for discrete logarithm-problem-based key agreement schemes.

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

**Office:** 1791 Tullie Circle NE  
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BSR/ASHRAE Standard 17-201X, Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves (revision of ANSI/ASHRAE Standard 17-2015)

Stakeholders: Expansion valve manufacturers and equipment manufacturers.

Project Need: This standard prescribes a method of testing the capacity of thermostatic refrigerant expansion valves for use in vapor-compression refrigeration systems. A revision is necessary to keep it up to date.

This standard is applicable to (a) thermostatic expansion valves (also referred to in this standard as expansion valves) as defined in Section 3, Definitions, (b) expansion valves of the direct-acting type but not the pilot-operated type, and (c) many currently used refrigerants deemed available and suitable according to ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems, and ANSI/ASHRAE Standard 34, Designation and Safety Classification of Refrigerants. This standard specifies procedures, apparatus, and instrumentation that will produce accurate capacity data. This standard does not (a) specify tests for production, specification compliance, or field testing of expansion valves, nor (b) specify capacity rating conditions for testing expansion valves. These may be found in ARI Standard 750, Thermostatic Refrigerant Expansion Valves.

BSR/ASHRAE Standard 35-201x, Method of Testing Desiccants for Refrigerant Drying (revision of ANSI/ASHRAE Standard 35-2014)

Stakeholders: The refrigeration industry, the automotive industry, and the air-conditioning industry, all of which use desiccants and are likely to reference this standard.

Project Need: The standard has not been revised since 2014, which incorporated minor changes to the 2010 version. The Technical Committee feels that this standard should be reviewed and brought up to speed with today's desiccant technology.

This standard provides a method of testing desiccants only. For testing and rating driers, which use these desiccants, see ASHRAE Standard 63.1 (see Annex A, Informative Bibliography). The principle of this standard is to keep a desiccant of known water content in contact with the desired refrigerant until equilibrium has been established under known temperature conditions, after which the water content of the refrigerant is determined. This standard is applicable for all desiccants which do not react to the desired refrigerant.

BSR/ASHRAE Standard 79-201x, Method of Testing for Fan-Coil Units (revision of ANSI/ASHRAE Standard 79-2015)

Stakeholders: Manufacturers and testing agencies.

Project Need: It has come to the attention of committee members that some of the newer acoustical test set-ups are problematic. They need to be simplified and reduced in number.

This standard includes procedures that (1) describe and specify test instruments and apparatus, (2) describe and specify laboratory test methods and procedures, (3) describe and specify test data to be recorded, (4) describe and specify calculations to be made from test data, (5) define terms used in testing, and (6) specify standard thermodynamic properties.

BSR/ASHRAE Standard 130-201x, Laboratory Methods of Test for Air Terminal Units (revision of ANSI/ASHRAE Standard 130-2016)

Stakeholders: Manufacturers and testing agencies.

Project Need: It has come to the attention of committee members that there is a figure showing a test set-up for a VAV diffuser that is missing critical dimensions that would need to be determined before it could be used. Since this set-up is very different from the set-up that manufacturers have previously used to determine certified data, all previously tested units would require new testing. It is therefore necessary to decide whether to correct the figure or revert to the previous method of test. There are also a few minor issues involving definitions.

This standard specifies instrumentation, test installation methods, and procedures for measuring the capacity and related performance of constant volume, variable volume, and modulating integral diffuser air terminals.

BSR/ASHRAE Standard 133-201X, Method of Testing Direct Evaporative Air Coolers (revision of ANSI/ASHRAE Standard 133-2015)

Stakeholders: Manufacturers, engineers, specifiers.

Project Need: The standard needs to be updated to mandatory language.

This standard establishes a uniform method of laboratory testing for rating packaged and component direct evaporative air coolers.

BSR/ASHRAE Standard 143-201X, Method of Testing for Rating Indirect Evaporative Coolers (revision of ANSI/ASHRAE Standard 143-2015)

Stakeholders: Manufacturers, engineers, specifiers.

Project Need: The standard needs to be updated to mandatory language.

This standard provides test procedures and calculations for establishing the cooling capacities and power requirements for indirect evaporative cooling equipment.

BSR/ASHRAE Standard 152-201x, Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems (revision of ANSI/ASHRAE Standard 152-2014)

Stakeholders: Anyone who manufactures Residential Thermal Distribution Systems and needs a test to determine design and seasonal efficiencies. Anyone who installs said residential thermal distribution systems (contractors/installers). Anyone who uses said residential thermal distribution systems (homeowners).

Project Need: To bring in line with the mandatory language requirement.

This standard prescribes a method of test to determine the efficiency of space heating and/or cooling thermal distribution systems under seasonal and design conditions. The objective is to facilitate annual energy calculations and heating and cooling equipment capacity calculations.

BSR/ASHRAE Standard 153-201X, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves (revision of ANSI/ASHRAE Standard 153-2015)

Stakeholders: U.S. Commercial and residential HVAC manufacturers all use these valves.

Project Need: Producers use the standard to test their valves.

To provide a test method for measuring the refrigerant vapor mass flow capacity of four-way refrigerant reversing valves with sufficient accuracy to facilitate application decisions.



BSR/ASHRAE Standard 193-201X, Method of Test for Determining the Airtightness of HVAC Equipment (revision of ANSI/ASHRAE Standard 193-2010 (R2014))

Stakeholders: Anyone who manufactures HVAC Equipment, anyone who installs HVAC Equipment (contractors/installers), anyone who uses HVAC Equipment (owners) Code officials (193 is reference in the energy code).

Project Need: To bring in line with mandatory language requirement.

This standard prescribes a method of test to determine the airtightness of forced-air HVAC equipment prior to field installation.

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

**Office:** Two Park Avenue  
New York, NY 10016-5990

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BSR/ASME A17.8-2016/CSA B44.8-201x, Standard for Wind Turbine Elevators (revision of ANSI/ASME A17.8-2016/CSA B44.8-2016)

Stakeholders: Wind turbine tower elevator manufacturers, installers, maintainers, component suppliers, purchasers, owners of equipment, labor union, enforcing authorities, specialists, insurance, inspectors, general interests.

Project Need: Updates to this document are required to incorporate proposed revisions.

ASME A17.8/CSA B44.8 applies to elevators permanently installed in a wind turbine tower to provide vertical transportation of authorized personnel and their tools and equipment only.

BSR/ASME V&V 50-200x, Verification and Validation of Computational Modeling for Advanced Manufacturing (new standard)

Stakeholders: Industry, government, and academia focused on verification and validation for manufacturing (e.g., aerospace, automotive, department of defense, medical, heavy equipment, etc.).

Project Need: To aid industry in making use of cutting edge advanced technology capabilities involving new ways to manufacture existing products, and manufacturing new products.

Provide procedures for verification, validation, and uncertainty quantification in modeling and computational simulation for advanced manufacturing.

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

**Office:** 8669 NW 36th Street  
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Miami, FL 33166-6672

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BSR/AWS C2.27M/C2.27-201X, Guide for Thermal Spray Masking (new standard)

Stakeholders: Thermal spray job operators and managers and metal fabrication facilities.

Project Need: Need for guidance on thermal spray masking in the thermal spray industry.

The purpose of the guide is to offer guidelines to help an operator choose the most efficient methods for thermal spray masking. The guide serves to highlight potential problems related to masking and to provide options for overcoming those challenges. The guide defines masking methods relative to various thermal spray coating processes and strategies for improving effectiveness and time savings. Recommended setup for the masking area is presented including tools, layout, and design.

#### **CSA (CSA Group)**

**Office:** 8501 E. Pleasant Valley Road  
Cleveland, OH 44131

**Contact:** *David Zimmerman*

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BSR/CSA NGV2-201x, Compressed natural gas vehicle fuel containers (revision of ANSI/CSA NGV2-2016)

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: Revise the standard for safety.

This Standard contains requirements for the material, design, manufacture, and testing of serially produced, refillable Type NGV 2 containers intended only for the storage of compressed natural gas for vehicle operation. These containers are to be permanently attached to the vehicle. This standard applies to containers up to and including 1000 liters (35.4 ft<sup>3</sup>) water capacity. Type NGV 2 containers are designated as follows:

- Type 1 Metal.
- Type 2 Resin impregnated continuous filament with metal liner with a minimum burst pressure of 125 percent of service pressure. This container is hoop-wrapped.
- Type 3 Resin impregnated continuous filament with metal liner. This container is full wrapped.
- Type 4 Resin impregnated continuous filament with a nonmetallic liner

#### **ISA (International Society of Automation)**

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P O Box 12277  
Research Triangle Pk, NC 27709

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BSR/ISA 62453-315-201x, Field device tool (FDT) interface specification - Part 315: Communication profile integration (national adoption of IEC 62453-315 Ed. 1.1 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: To fully integrate fieldbuses, devices, and subsystems as seamless parts of a wide range of automation tasks covering the whole automation lifecycle.

Updating - No. 8 in series of standards on field device tool interface specifications.

BSR/ISA 62453-303-1 (103.00.05)-201x, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (national adoption of IEC 62453-303-1 with modifications and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: To fully integrate fieldbuses, devices, and subsystems as seamless parts of a wide range of automation tasks covering the whole automation lifecycle.

This part of ISA 62453 series provides information for integrating the PROFIBUS protocol into the FDT interface specification (ISA 62453-2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

BSR/ISA 62453-303-2 (103.00.06)-201x, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (national adoption of IEC 62453-303-2 with modifications and revision of ANSI/ISA 62453-303-2 (103.00.06)-2011)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: To fully integrate fieldbuses, devices, and subsystems as seamless parts of a wide range of automation tasks covering the whole automation lifecycle.

This part of ISA 62453 provides information for integrating the PROFINET® technology into the FDT interface (ISA 62453-2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

### **PLASTICS (Plastics Industry Association)**

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BSR/PLASTICS B151.5-201x, Safety Requirements for the Manufacture, Care and Use of Plastic Film and Sheet Winding, Slitter Rewinding and Unwinding Equipment (new standard)

Stakeholders: Machinery suppliers, producers, users, plastics processors.

Project Need: This machinery remains hazardous and new technology is available to conduct risk assessments and mitigate risks identified, including safeguarding.

This standard addresses safety requirements during set-up, installation, production use, and maintenance as well as safe design aspects and elements during the manufacture of plastic sheet and film winding, slitter rewinding, and unwinding equipment. It identifies a risk-assessment process, including risk reduction measures for the manufacture, maintenance, and use of plastic film and sheet winding, slitter rewinding, and unwinding machinery. Safety requirements of ancillary equipment used with the machinery are not covered by this standard.

BSR/PLASTICS B151.11-201x, Safety Requirements for the Manufacture, Care and Use of Granulators, Strand Pelletizers, Dicers and Single Shaft Shredders (new standard)

Stakeholders: Machinery suppliers, producers, users, plastics processors.

Project Need: This machinery remains hazardous and new technology is available to conduct risk assessments and mitigate risks identified, including safeguarding.

This standard will address safety requirements during set-up, installation, production use, and maintenance, as well as safe design aspects and elements during the manufacture of granulators, strand pelletizers, dicers and single-shaft shredders used for the size reduction of plastics through the use of a rotary cutting action. The equipment can be actuated either manually, mechanically, hydraulically, electrically, pneumatically, or by any combination. This standard does not apply to other types of shredders or to pulverizers. It identifies a risk-assessment process, including risk reduction measures for the manufacture, maintenance, and use of the covered machinery.

# 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)
- MHI (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

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

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

## ANSI-Accredited Standards Developers Contact Information

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

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<p><b>AAMI</b> Association for the Advancement of Medical Instrumentation 4301 N. Fairfax Drive, Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8298 Web: <a href="http://www.aami.org">www.aami.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>ESTA</b> Entertainment Services and Technology Association 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Web: <a href="http://www.esta.org">www.esta.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>
<p><b>AARST</b> American Association of Radon Scientists and Technologists 475 South Church Street, Suite 200 Hendersonville, NC 28792 Phone: (202) 830-1110 Web: <a href="http://www.aarst.org">www.aarst.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: (678) 539-1111 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>IAPMO (Z)</b> International Association of Plumbing &amp; Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761 Phone: (909) 230-5534 Web: <a href="http://www.iapmort.org">www.iapmort.org</a></p>	<p><b>PLASTICS</b> Plastics Industry Association 1425 K Street NW, Suite 500 Washington, DC 20005 Phone: (202) 974-5217 Web: <a href="http://www.plasticsindustry.org">www.plasticsindustry.org</a></p>
<p><b>ABMA (ASC B3)</b> American Bearing Manufacturers Association 330 N. Wabash Avenue Suite 2000 Chicago, IL 60611 Phone: (919) 481-2852 Web: <a href="http://www.americanbearings.org">www.americanbearings.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>IEEE</b> Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Web: <a href="http://www.ieee.org">www.ieee.org</a></p>	<p><b>SDI (ASC A250)</b> Steel Door Institute 30200 Detroit Road Westlake, OH 44145 Phone: (440) 899-0010 Web: <a href="http://www.wherryassocsteeldoor.org">www.wherryassocsteeldoor.org</a></p>
<p><b>ABYC</b> American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: <a href="http://www.abycinc.org">www.abycinc.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>ISA (Organization)</b> International Society of Automation 67 Alexander Drive P O Box 12277 Research Triangle Pk, NC 27709 Phone: (919) 990-9257 Web: <a href="http://www.isa.org">www.isa.org</a></p>	<p><b>TAPPI</b> Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Suite 115 Peachtree Corners, GA 30092 Phone: (770) 209-7249 Web: <a href="http://www.tappi.org">www.tappi.org</a></p>
<p><b>AGMA</b> American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: <a href="http://www.agma.org">www.agma.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36th Street Suite #130 Miami, FL 33166-6672 Phone: (800) 443-9353 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>ISEA</b> International Safety Equipment Association 1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Web: <a href="http://www.safetysitequipment.org">www.safetysitequipment.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>APCO</b> Association of Public-Safety Communications Officials-International 351 N. Williamson Boulevard Daytona Beach, FL 32114 Phone: (920) 579-1153 Web: <a href="http://www.apcolntl.org">www.apcolntl.org</a></p>	<p><b>CSA</b> CSA Group 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>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005 Phone: (202) 737-8888 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 12 Laboratory Dr. Research Triangle Park, NC 27709 Phone: (919) 549-1479 Web: <a href="http://www.ul.com">www.ul.com</a></p>
<p><b>ASA (ASC S12)</b> Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Web: <a href="http://www.acousticalsociety.org">www.acousticalsociety.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>VITA</b> VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 Phone: (602) 281-4497 Web: <a href="http://www.vita.com">www.vita.com</a></p>



# ISO & IEC Draft International Standards

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

## Comments

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

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

## Ordering Instructions

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

## ISO Standards

### ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM DIS 52903-2, Additive manufacturing - Standard specification for material extrusion based additive manufacturing of plastic materials - Part 2: Process - Equipment - 10/1/2018, \$40.00

### AIR QUALITY (TC 146)

ISO/DIS 12219-9, Interior air of road vehicles - Part 9: Determination of the emissions of volatile organic compounds from vehicle interior parts - Large bag method - 9/30/2018, \$71.00

ISO/DIS 16000-38, Indoor air - Part 38: Determination of amines in indoor and test chamber air - Active sampling on samplers containing phosphoric acid impregnated filters - 8/4/2018, \$58.00

ISO/DIS 16000-39, Indoor air - Part 39: Determination of amines in indoor and test chamber air - Analysis of amines by means of high-performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS MS) - 8/4/2018, \$53.00

### AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 7313, Aircraft - High temperature convoluted hose assemblies in polytetrafluoroethylene (PTFE) - 9/30/2018, \$62.00

ISO/DIS 10795, Space systems - Programme management and quality - Vocabulary - 8/6/2018, \$107.00

ISO/DIS 18387, Aerospace - Linear hydraulic utility actuator - General specifications - 9/30/2018, \$112.00

### BUILDING CONSTRUCTION (TC 59)

ISO/DIS 16938-1, Buildings and civil engineering works - Determination of the staining of porous substrates by sealants used in joints - Part 1: Test with compression - 10/1/2018, \$46.00

ISO/DIS 16938-2, Buildings and civil engineering works - Determination of the staining of porous substrates by sealants used in joints - Part 2: Test without compression - 10/1/2018, \$46.00

ISO/DIS 21597-1, Information container for data drop - Exchange specification - Part 1: Container - 10/1/2018, \$125.00

ISO/DIS 21597-2, Information container for data drop - Exchange specification - Part 2: Dynamic semantics - 10/1/2018, \$134.00

### COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO 28927-8/DAMd2, Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action - Amendment 2 - 10/1/2018, \$33.00

### CRYOGENIC VESSELS (TC 220)

ISO 21013-4/DAMd1, Cryogenic vessels - Pilot operated pressure relief devices - Part 4: Pressure-relief accessories for cryogenic service - Amendment 1 - 9/29/2018, \$29.00

### DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 16610-61/DAMd1, Geometrical product specification (GPS) - Filtration - Part 61: Linear areal filters - Gaussian filters - Amendment 1 - 7/26/2018, \$33.00

### DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 23504-1, Document management applications - Raster image transport and storage - Part 1: Use of ISO 32000 (PDF/R-1) - 7/29/2018, \$67.00

### FLUID POWER SYSTEMS (TC 131)

ISO/DIS 5783, Hydraulic fluid power - Code for identification of valve mounting surfaces and cartridge valve cavities - 9/28/2018, \$33.00

**IMPLANTS FOR SURGERY (TC 150)**

ISO 18192-1/DAMd1, Implants for surgery - Wear of total intervertebral spinal disc prostheses - Part 1: Loading and displacement parameters for wear testing and corresponding environmental conditions for test - Amendment 1 - 11/5/2004, \$29.00

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

ISO/DIS 15704, Enterprise modelling and architecture - Requirements for enterprise-reference architectures and methodologies - 10/4/2018, \$146.00

**INDUSTRIAL TRUCKS (TC 110)**

ISO 3691-1/DAMd2, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks - Amendment 2 - 10/1/2018, \$33.00

**INFORMATION AND DOCUMENTATION (TC 46)**

ISO/DIS 21110, Information and documentation - Emergency preparedness and response - 9/29/2018, \$125.00

**LIGHT METALS AND THEIR ALLOYS (TC 79)**

ISO/DIS 10049, Aluminium alloy castings - Visual method for assessing the porosity - 9/22/2018, \$33.00

**MACHINE TOOLS (TC 39)**

ISO/DIS 19085-16, Woodworking machines - Safety - Part 16: Table band saws and band re-saws - 9/28/2018, \$107.00

**MECHANICAL CONTRACEPTIVES (TC 157)**

ISO/DIS 19351, Fallopien rings - Requirements and test methods - 7/30/2018, \$88.00

**NANOTECHNOLOGIES (TC 229)**

ISO/DIS 19749, Nanotechnologies - Measurements of particle size and shape distributions by scanning electron microscopy - 9/23/2018, \$146.00

ISO/DIS 21363, Nanotechnologies - Measurements of particle size and shape distributions by transmission electron microscopy - 9/28/2018, \$146.00

**NICKEL AND NICKEL ALLOYS (TC 155)**

ISO/DIS 12725, Nickel and nickel alloy castings - 9/21/2018, \$58.00

**NUCLEAR ENERGY (TC 85)**

ISO/DIS 8769, Reference sources - Calibration of surface contamination monitors - Alpha-, beta- and photon emitters - 9/29/2018, \$62.00

**PAINTS AND VARNISHES (TC 35)**

ISO/DIS 3251, Paints, varnishes and plastics - Determination of non-volatile-matter content - 8/2/2018, \$46.00

ISO/DIS 3233-2, Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle - 8/2/2018, \$53.00

**PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)**

ISO/DIS 20424, Fatty Acid Methyl Esters (FAME) - Determination of sulfur content - Inductively coupled plasma optical emission spectrometry (ICP-OES) method - 8/4/2018, \$53.00

**PHOTOGRAPHY (TC 42)**

ISO/DIS 12232, Photography - Digital still cameras - Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index - 7/30/2018, \$82.00

ISO/DIS 15781, Photography - Digital still cameras - Measuring shooting time lag, shutter release time lag, shooting rate, and start-up time lag - 8/6/2018, \$102.00

ISO/DIS 18949, Imaging materials - Reflection colour photographic prints - Method for testing stability under low humidity conditions - 9/29/2018, \$53.00

**PLASTICS (TC 61)**

ISO/DIS 1110, Plastics - Polyamides - Accelerated conditioning of test specimens - 9/22/2018, \$33.00

ISO/DIS 20329, Plastics - Determination of abrasive wear resistance by sliding friction - 7/29/2018, \$53.00

ISO/DIS 20028-1, Plastics - Thermoplastic polyester (TP) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 9/22/2018, \$58.00

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

ISO/DIS 4427-1, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General - 7/26/2018, \$71.00

ISO/DIS 4427-2, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes - 7/26/2018, \$77.00

ISO/DIS 4427-3, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings - 7/26/2018, \$107.00

ISO/DIS 4427-5, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system - 7/26/2018, \$53.00

**REFRIGERATION (TC 86)**

ISO/DIS 22712, Refrigerating systems and heat pumps - Competence of personnel - 9/27/2018, \$119.00

**ROAD VEHICLES (TC 22)**

ISO/DIS 17987-8, Road vehicles - Local interconnect network (LIN) - Part 8: Electrical physical layer (EPL) specification: LIN over DC powerline (DC-LIN) - 10/1/2018, \$134.00

**ROLLING BEARINGS (TC 4)**

ISO/DIS 12297-1, Rolling bearings - Cylindrical rollers - Part 1: Boundary dimensions, geometrical product specifications (GPS) and tolerance values for steel rollers - 10/1/2018, \$62.00

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

ISO/DIS 19912, Ships and marine technology - Servicing of immersion suits, anti-exposure suits and constant wear suits - 8/2/2018, \$53.00

ISO/DIS 21792, Ships and marine technology - Navigation and ship operations - Guideline for onboard telephone equipment - 7/26/2018, \$71.00

**SOLID BIOFUELS (TC 238)**

ISO/DIS 21945, Solid biofuels - Simplified sampling method for small scale applications - 9/22/2018, \$71.00

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

ISO/DIS 37105, Sustainable cities and communities - Descriptive framework for cities and communities - 8/2/2018, \$125.00

**TEXTILES (TC 38)**

ISO/DIS 2307, Fibre ropes - Determination of certain physical and mechanical properties - 9/28/2018, \$93.00

ISO/DIS 9554, Fibre ropes - General specifications - 9/22/2018, \$107.00

**TIMBER STRUCTURES (TC 165)**

ISO/DIS 22390, Timber structures - Laminated veneer lumber - Structural properties - 7/26/2018, \$46.00

ISO/DIS 22389-2, Timber structures - Bending applications of I-beams - Part 2: Component performance and manufacturing requirements - 7/26/2018, \$46.00

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

ISO 13772/DAMd1, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks - Amendment 1 - 9/28/2018, \$29.00

ISO/DIS 12809, Crop protection equipment - Reciprocating positive displacement pumps and centrifugal pumps - Test method - 7/29/2018, \$82.00

ISO/DIS 11783-5, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 5: Network management - 10/1/2018, \$98.00

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

ISO/DIS 13926-3, Pen systems - Part 3: Seals for pen-injectors for medical use - 7/30/2018, \$46.00

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

ISO/DIS 17438-4, Intelligent transport systems - Indoor navigation for personal and vehicle ITS station - Part 4: Requirements and specification for interface between Personal/Vehicle and Central ITS stations - 7/30/2018, \$119.00

ISO/DIS 26683-3, Intelligent transport systems - Freight land conveyance content identification and communication - Part 3: Monitoring cargo condition information during transport - 10/1/2018, \$93.00

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

ISO/IEC 14496-12/DAMd1, Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 1: Compact Sample-To-Group, new capabilities for tracks, and other improvements - 8/4/2018, \$71.00

ISO/IEC 23001-10/DAMd2, Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format - Amendment 2: Support for encoded regions of interest - 8/6/2018, \$29.00

ISO/IEC DIS 23008-2, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - 8/6/2018, \$311.00

ISO/IEC DIS 15938-15, Information technology - Multimedia content description interface - Part 15: Compact descriptors for video analysis - 8/6/2018, \$98.00

ISO/IEC DIS 23000-22, Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-Image Application Format (MiAF) - 8/4/2018, \$93.00

**IEC Standards**

2/1917/CD, IEC TS 60034-27-5 ED1: Rotating electrical machines - Part 27-5: Off-line partial discharge tests on winding insulation of rotating electrical machines during repetitive impulse voltage excitation, 018/9/7/

4/353/NP, PNW 4-353: Standardized technical specifications governing fatigue of hydraulic turbine runners: From design to quality assurance, 2018/10/5

8/1495/Q, JWG10: Distributed Energy Resources Interconnection with the Grid (linked to TC 82) - Extension to TC 120 (electrical energy storage systems), 2018/8/24

9/2436/CD, IEC 62505-3-1 ED2: Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-1: Measurement, control and protection devices for specific use in a.c. traction systems - Devices, 2018/10/5

9/2437/CD, IEC 62505-3-2 ED2: Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-2: Measurement, control and protection devices for specific use in a.c. traction systems - Current transformers, 2018/10/5

9/2438/CD, IEC 62505-3-3 ED2: Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-3: Measurement, control and protection devices for specific use in a.c. traction systems - Voltage transformers, 2018/10/5

17C/687/CD, IEC 62271-200 ED3: High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 2018/10/5

20/1824/CD, IEC 60754-1/AMD1 ED3: Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content, 2018/10/5

- 20/1825/CD, IEC 60754-2/AMD1 ED2: Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity, 2018/10/5
- 20/1826/CD, IEC 61034-2/AMD2 ED3: Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements, 2018/10/5
- 20/1827/CD, IEC 61034-1/AMD2 ED3: Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus, 2018/10/5
- 23B/1265/CD, IEC 60884-1/FRAG2 ED4: Plugs and socket-outlets for household and similar purposes - Part 1: General requirements, 2018/10/5
- 26/661/FDIS, IEC 60974-14 ED1: Arc welding equipment - Part 14: Calibration, validation and consistency testing, 2018/8/24
- 26/653/CDV, IEC 60974-1/AMD1 ED5: Arc welding equipment - Part 1: Welding power sources, 2018/10/5
- 27/1067/CDV, IEC 63078 ED1: Installations for electroheating and electromagnetic processing - Test methods for induction through-heating installations, 2018/10/5
- 31/1402/DC, Proposed new Annex A for IEC 60079-26 Ed 3, 2018/8/24
- 31/1401/CD, IEC 60079-2 ED7: Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p", 2018/10/5
- 34D/1400/CD, IEC 60598-1/AMD2/FRAG25 ED8: Luminaires - Part 1: General requirements and tests, 2018/10/5
- 34D/1401/CD, IEC 60598-1/AMD2/FRAG26 ED8: Luminaires - Part 1: General requirements and tests, 2018/10/5
- 38/568/DC, IEC 61869-12: Part 12: Additional requirements for combined low-power instrument transformers, /2018/10/1
- 46/695/FDIS, IEC 61935-1-2 ED1: Specification for the testing of balanced and coaxial information technology cabling - Part 1-2: Installed balanced cabling as specified in ISO/IEC 11801 - Additional requirements for measurement of resistance unbalance with field test instrumentation, 2018/8/24
- 47A/1053/CD, IEC 62433-6 ED1: EMC IC modelling - Part 6: Models of integrated circuits for Pulse immunity behavioural simulation - Conducted Pulse Immunity modelling(ICIM-CPI), 2018/10/5
- 47E/620/CD, IEC 60747-17 ED1: Semiconductor devices - Part 17: Magnetic and capacitive coupler for basic and reinforced isolation, 018/9/7/
- 48B/2657/CDV, IEC 61076-8-102 Ed1: Connectors for electronic equipment - Product requirements - Part 8-102: Power connectors - Detail specification for 2P or 3P power plus 2P signal shielded and sealed connectors with plastic housing for rated current of 150 A, 2018/10/5
- 48B/2659/CDV, IEC 61076-8-100 Ed1: Connectors for electronic equipment - Product requirements - Part 8-100: Power connectors - Detail specification for 2P or 3P power plus 2P signal shielded and sealed connectors with plastic housing for rated current of 20 A, 2018/10/5
- 48B/2658/CDV, IEC 61076-8-101 Ed1: Connectors for electronic equipment - Product requirements - Part 8-101: Power connectors - Detail specification for 2P or 3P power plus 2P signal shielded and sealed connectors with plastic housing for rated current of 40 A, 2018/10/5
- 55/1663/NP, PNW 55-1663: Specifications for particular types of winding wires - Part 82: Polyesterimide enamelled rectangular copper wire, class 200, 2018/10/5
- 55/1678/CD, IEC 60317-0-4 ED4: Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, 018/9/7/
- 55/1677/CD, IEC 60317-0-2 ED4: Specifications for particular types of winding wires - Part 0-2: General requirements - Enamelled rectangular copper wire, 018/9/7/
- 57/2020/FDIS, IEC 61850-8-2 ED1: Communication networks and systems for power utility automation - Part 8-2: Specific communication service mapping (SCSM) - Mapping to Extensible Messaging Presence Protocol (XMPP), 2018/8/24
- 59C/227/CDV, IEC 60675-2 ED1: Household electric direct-acting room heaters - Methods for measuring performance - Part 2: Additional provisions for the measurement of the radiation factor, 2018/10/5
- 59C/228/CDV, IEC 60675-3 ED1: Household electric direct-acting room heaters - Methods for measuring performance - Part 3: Additional provisions for the measurement of the radiation efficiency, 2018/10/5
- 59F/354/CD, IEC 62885-7 ED1: Surface cleaning appliances - Part 7: Dry-cleaning robots for household use - Methods of measuring performance, 018/9/7/
- 62A/1283/CD, ISO 81001-1 ED1: Health software and health IT systems safety, effectiveness and security - Foundational principles, concepts and terms, 018/9/7/
- 62B/1108/CD, IEC 61223-3-6 ED1: Evaluation and routine testing in medical imaging departments - Part 3-6 Acceptance and Constancy tests - Imaging performance of mammographic tomosynthesis mode of operation of mammographic X-Ray equipment, 018/9/7/
- 64/2304/CD, IEC 60364-8-3 ED1: Low-voltage electrical installation - Part 8-3: Operation of prosumer's electrical installations, 2018/11/2
- 64/2281/CDV, IEC 60364-7-710 ED2: Low voltage electrical installations - Part 7-710: Requirements for special installations or locations - Medical locations, /2018/11/3
- 65B/1121/CD, IEC 62828-4 ED1: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 4: Specific procedures for level transmitters, 018/9/7/
- 69/609/CDV, IEC 61851-23-2 ED1: Electric vehicle conductive charging system - Part 23-2: DC EV supply equipment where protection relies on electrical separation, 2018/10/5
- 72/1137/CDV, IEC 60730-2-11 ED3: Automatic electrical controls - Part 2-11: Particular requirements for energy regulators, 2018/10/5
- 72/1138/CDV, IEC 60730-2-6/AMD1 ED3: Automatic electrical controls - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements, 2018/10/5
- 72/1139/CDV, IEC 60730-1/AMD2 ED5: Automatic electrical controls - Part 1: General requirements, 2018/10/5
- 77A/1006/CD, IEC 61000-3-2/AMD1/FRAG1 ED5: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase), 018/9/7/



- 77A/1009/CD, IEC 61000-4-11 ED3: Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests, 018/9/7/
- 86C/1537/CD, IEC 61757-4-3: Fibre optic sensors - Part 4-3: Current measurement - Polarimetric method, 2018/10/5
- 100/3135/DTR, IEC TR 61966-1 ED1: Multimedia systems and equipment - Colour measurement and management - Part 2-6: Commercial RGB colour space (TA 2), 018/9/7/
- 106/457/CDV, IEC 62209-3 ED1: Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 3: Vector probe systems (Frequency range of 100 MHz to 6 GHz), 2018/10/5
- 119/230/NP, PNW 119-230: Printed Electronics - Part 301-3: Equipment - Contact printing - Rigid master - Measurement method of roll master shape errors, 2018/10/5
- JTC1-SC41/59/NP, PNW JTC1-SC41-59: Interent of Things (IoT) - System requirements of IoT/SN technology-based integrated platform for chattel asset monitoring supporting financial services, 2018/10/5
- JTC1-SC41/58/NP, PNW JTC1-SC41-58: Internet of Things (IoT) - Compatibility requirements and model for devices within industrial IoT systems, 2018/10/5



# 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 5506:2018](#), Soya bean products - Determination of urease activity, \$45.00

### BUILDING CONSTRUCTION (TC 59)

[ISO 11527:2018](#), Buildings and civil engineering works - Sealants - Test method for the determination of stringiness, \$45.00

[ISO 13640:2018](#), Buildings and civil engineering works - Sealants - Specifications for test substrates, \$45.00

### DENTISTRY (TC 106)

[ISO 3964/Amd1:2018](#), Dentistry - Coupling dimensions for handpiece connectors - Amendment 1, \$19.00

### PLAIN BEARINGS (TC 123)

[ISO 3547-1:2018](#), Plain bearings - Wrapped bushes - Part 1: Dimensions, \$68.00

### PLASTICS (TC 61)

[ISO 17422:2018](#), Plastics - Environmental aspects - General guidelines for their inclusion in standards, \$68.00

[ISO 12058-1:2018](#), Plastics - Determination of viscosity using a falling-ball viscometer - Part 1: Inclined-tube method, \$68.00

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

[ISO 25358:2018](#), Crop protection equipment - Droplet-size spectra from atomizers - Measurement and classification, \$68.00

## ISO Technical Specifications

### RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO/TS 22640:2018](#), Rubber - Framework for physical and chemical characterization of tyre and road wear particles (TRWP), \$68.00

## IEC Standards

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

[IEC 60728-113 Ed. 1.0 en:2018](#), Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only, \$352.00

### ELECTRIC CABLES (TC 20)

[IEC 60332-3-10 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus, \$164.00

[IEC 60332-3-21 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R, \$82.00

[IEC 60332-3-22 Ed. 2.0 b:2018](#), Tests on electric cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A, \$82.00

[IEC 60332-3-23 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B, \$82.00

[IEC 60332-3-24-V0 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C, \$82.00

[IEC 60332-3-25 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D, \$82.00

[S+ IEC 60332-3-10 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus, \$213.00

[S+ IEC 60332-3-21 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R, \$107.00

[S+ IEC 60332-3-22 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A, \$213.00

[S+ IEC 60332-3-23 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B, \$107.00

[S+ IEC 60332-3-24 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C, \$107.00

[S+ IEC 60332-3-25 Ed. 2.0 en:2018 \(Redline version\)](#). Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D, \$107.00

#### **MAGNETIC ALLOYS AND STEELS (TC 68)**

[IEC 60404-13 Ed. 2.0 b:2018](#). Magnetic materials - Part 13: Methods of measurement of resistivity, density and stacking factor of electrical steel strip and sheet, \$164.00

#### **MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)**

[IEC 60205 Ed. 4.0 en cor.1:2018](#). Corrigendum 1 - Calculation of the effective parameters of magnetic piece parts, \$0.00

#### **SMART GRID USER INTERFACE (TC 118)**

[IEC 62746-10-3 Ed. 1.0 b:2018](#). Systems interface between customer energy management system and the power management system - Part 10-3: Open automated demand response - Adapting smart grid user interfaces to the IEC common information model, \$199.00

#### **SOLAR THERMAL ELECTRIC PLANTS (TC 117)**

[IEC 62862-3-2 Ed. 1.0 b:2018](#). Solar thermal electric plants - Part 3-2: Systems and components - General requirements and test methods for large-size parabolic-trough collectors, \$164.00

# Registration of Organization Names in the United States

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

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

## PUBLIC REVIEW

South Carolina Law Enforcement Division (SLED)

Public Review: April 27 to July 23, 2018

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge.

A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

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

# Information Concerning

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## American National Standards

### Call for Members

#### INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at [jgarner@itic.org](mailto:jgarner@itic.org) or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

### Society of Cable Telecommunications

#### ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly a materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developers

### Approval of Accreditation as an ANSI ASD

#### Non-Emergency Medical Transportation Accreditation Commission (NEMTAC)

ANSI's Executive Standards Council has approved the Non-Emergency Medical Transportation Accreditation Commission (NEMTAC), a new ANSI member in 2018, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on NEMTAC-sponsored American National Standards, effective July 13, 2018. For additional information, please contact: Ms. Melissa Jankowski, Executive Director, Non-Emergency Medical Transportation Accreditation Commission, 4381 N. 75th Street, Suite 201, Scottsdale, AZ 85251; phone: 720.325.4093; e-mail: [mjankowski@nemtac.org](mailto:mjankowski@nemtac.org)

## International Organization for Standardization (ISO)

### Establishment of ISO Technical Committee

#### ISO/TC 319 – Karst

A new ISO Technical Committee, ISO/TC 319 – Karst, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 319 operates under the following scope:

Standardization in the field of karst terminology, sustainable development of karst resources, environmental protection and management of karst environment, as well as investigation and assessment (including modeling methods and mapping of karst systems).

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

## ISO Proposal for a New Field of ISO Technical Activity

### Circular Economy

**Comment Deadline: August 10, 2018**

AFNOR, the ISO member body for France, has submitted to ISO an ISO Proposal for a New Field of ISO Technical Activity on Circular Economy, with the following scope statement:

Standardization in the field of Circular economy to develop requirements, frameworks, guidance and supporting tools related to the implementation of circular economy projects.

The proposed deliverables will apply to any organization or group of organizations wishing to implement circular economy projects, such as commercial organizations, public services and not-for-profit organizations.

Excluded: specification of particular aspects of circular economy already covered by existing TCs, such as ecodesign, life cycle assessment in ISO/TC 207 Environmental management and sustainable procurement (ISO 20400: 2017 – Sustainable procurement — Guidance).

Note: The TC will contribute to sustainable development and especially to the implementation of the UN Sustainable Development Goals.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, August 10, 2018.

## International Electrotechnical Commission (IEC)

### USNC Participants and TAG Administrator Needed

### IEC Approves New System Committee (SyC) on Smart Manufacturing

**Response Deadline: August 1, 2018**

The U.S. National Committee agrees with the scope for this new IEC Systems Committee and wishes to register as a Participating Member (P-member). If the USNC is to become a P-Member, a Technical Advisory Group (USTAG) will need to be established and a USTAG Administrator will need to be assigned. If an organization is interested in the position of U.S. TAG Administrator, or if any individuals would like to join this U.S. TAG, they are invited to contact Kendall Szulewski-Francis, USNC Program Administrator, at [ksfrancis@ansi.org](mailto:ksfrancis@ansi.org) no later than August 1, 2018.

Please see the scope for the SyC on Smart Manufacturing below.

#### **Scope:**

To provide coordination and advice in the domain of Smart Manufacturing to harmonize and advance Smart Manufacturing activities in the IEC, other SDOs and Consortia according to clause 2 in AC/22/2017.

## Meeting Notices

### Meeting for Accredited Standards Committee ASC C80, Raceways for Electrical Wiring Systems

**Meeting Date:** August 14, 2018 – 09:00 AM – 11:00 AM CST

**Meeting Location:** Zekelman, 227 W Monroe Street, Chicago, IL 60606 (Web/Teleconference information available upon request)

This is the annual ASC C80 Committee meeting. The ANSI C80 Operating Procedures are going to be reviewed at this meeting.

RSVP Required

Please RSVP to ASC C80 Secretary, Muhammad Ali at [muhammad.ali@nema.org](mailto:muhammad.ali@nema.org).

### ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety

**Meeting Format:** In Person, in Minneapolis, MN.

**Purpose:** Resolve comments for three draft Technical Reports (TRs).

**Day/Date/Time:** Monday - Tuesday, August 6-7, 2018 (Full day)

For more information, contact Carole Franklin, [cfranklin@robotics.org](mailto:cfranklin@robotics.org).

### ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety

**Meeting Format:** In Person, in Minneapolis, MN.

**Purpose:** Resolve comments for Part 1, Guidance to Manufacturers; discuss initial drafted text for Part 2, Guidance to Integrators.

**Day/Date/Time:** Wednesday – Friday, August 8 - 10, 2018 (Full day)

For more information, contact Carole Franklin, [cfranklin@robotics.org](mailto:cfranklin@robotics.org).

### ANSI-Accredited Standards Committee: U.S. TAG to ISO TC 299, Robotics

**Meeting Format:** Remote via WebEx

**Purpose:** Identify members of the U.S. Delegation to upcoming meetings of ISO TC 299 Working groups in Collingwood, Canada (WG 3) and Delft, the Netherlands (WG 1, WG 2, WG 4, and WG 6), and prepare for these meetings.

**Day/Date/Time:** Monday, August 20, 2018, 1 – 3 PM (Eastern time)

For more information, contact Carole Franklin, [cfranklin@robotics.org](mailto:cfranklin@robotics.org).

### ASC Z80 - Ophthalmic Optics Fall 2018 Meeting

**Date:** August 19-21, 2018

**Location:** Sheraton Sand Key, 1160 Gulf Blvd., Clearwater Beach, FL 33767

<http://www.z80asc.com/>

For more information, please e-mail: [ascz80@thevisioncouncil.org](mailto:ascz80@thevisioncouncil.org).

## **B11 Standards, Inc.**

### **B11.19 Subcommittee – Performance Criteria for Safeguarding Machines**

The B11.19 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its eighth meeting on September 4-6, 2018 at Safe-T-Sense in Chicago, IL. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.19 Subcommittee deals with the overall safeguarding and related equipment requirements common to machines.

The purpose of this meeting is to continue revising the 2010 version of the ANSI B11.19 Type-B standard. This meeting is open to anyone with an interest in machine safety, particularly as it relates to general safeguarding equipment and requirements for machines, and who wishes to participate in standards development.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at [dfelinski@b11standards.org](mailto:dfelinski@b11standards.org).

### **U.S. TAG to ISO/TC199 – Safety of Machinery**

The next meeting of the U.S. TAG to ISO/TC 199 – Safety of Machinery, has been scheduled for Monday, October 8, 2018 beginning at 11:00 ET as a WebMeeting.

The purpose of the meeting will be to discuss agenda items of the ISO/TC 199 Plenary meeting to be held on October 18-19 in Nanjing and to help the U.S. delegation prepare with any consensus positions, etc.

If you have an interest in participating in this meeting or would like more information, please contact David Felinski at [dfelinski@b11standards.org](mailto:dfelinski@b11standards.org).

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NSF/ANSI Standard  
for Plastics —

## Plastics piping system components and related materials

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### 3 Definitions

**3.56 start-up:** Initiation of a production process involving a new material, process parameter (e.g. temperature, pressure, throughput), or manufacturing equipment (e.g. extruder, molder, compounder). A change in extrusion die size does not constitute start-up as long as the material and manufacturing equipment remain the same.

*Subsequent definitions will have their section number changed accordingly.*

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### 9 Quality assurance

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#### 9.2 Start-up and qualification

In each case, with the exception of annual and semi-annual tests, the frequency of testing indicated in 9.9 shall be interpreted as follows: the indicated tests shall be performed at the start-up of any production operation, on each extruder or injection molder, ~~and continued until a steady state operation that meets the test requirement is obtained.~~ The test shall be repeated at the required frequency until there is a change in the steady state operation. ~~When there is a change in operation, testing shall be conducted continuously until a new steady state operation is achieved. After a steady state operation is attained, the applicable testing frequencies shown in 9.9 shall resume.~~

Mold qualification as discussed in this section shall be defined as molds that produce precise functional finish dimensions not otherwise obtained by an additional manufacturing process. The test frequency indicated for fittings shall be used only after the mold has been qualified. In order for a new or retooled mold to be considered "qualified," all products from all cavities in the mold shall attain compliance with all of the appropriate dimensions and tests. This shall not include annual or semiannual tests. After qualification, the indicated test frequencies shall apply to one cavity per mold, rotating cavities within the mold, including start-ups. If any physical change is made to the mold itself, all cavities within the mold shall be re-qualified.

When annual testing is required, annual testing performed by a third-party certifier shall satisfy the requirement.

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Table 9.2 – Minimum number of test specimens for a sample

Test	Number of specimens	
acetone	1	
burst <sup>1</sup> pressure	start-up	5
	during steady-state operation	1
crush	1	
deflection load and crush resistance	3	
degree of cross-linking	1	
elongation (microtensile)	2	
environmental stress crack resistance		
materials tests	10	
pipe tests	6	
flattening	3	
impact	10	
pipe stiffness	3	
stabilizer functionality	2	
sustained pressure	6	
tup puncture resistance	3	

<sup>1</sup> If one compound is continuously used in several machines or sizes, when a steady-state operation is obtained on each machine the manufacturing manufacturer shall choose one of the following sampling methods:

- A Sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes. Refer to Table 9.2 for minimum sample size; or
- If more than three extruders are in operation, the sample shall consist of a minimum of one specimen from each extruder and shall be burst tested every 12 hr (minimum of 8 samples). This option requires additional testing than option 1 where there are more than 3 extruders.

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## NSF/ANSI Standard For Wastewater Technology –

# Onsite residential and commercial water reuse treatment systems

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**3.15 30-day (30-d) average:** The average of daily measurements over a 30-day period, calculated as the sum of all daily measurements taken during a 30-day period divided by the number of daily measurements taken during that 30-day period. When a sample result is less than the detection limit, the detection limit shall be used as the value for the purpose of calculating the 30-day average. When all of the sample results in a 30-day period are less than the detection limit, the 30-day average shall be reported as less than the detection limit.

**3.16 30-day (30-d) geometric mean (geo mean):** A type of average, calculated as the nth root of the product of n values (daily measurements) taken over a 30-day period. For example, If 10 measurements were taken over a 30-day period, the geometric mean of those measurements would be the 10th root of the product of those 10 measurements  $\sqrt[10]{X_1 * X_2 * ... * X_{10}}$ . When a sample result is less than the detection limit, the detection limit shall be used as the value for the purpose of calculating the 30-day geometric mean. When all of the sample results in a 30-day period are less than the detection limit, the 30-day geometric mean shall be reported as less than the detection limit.

*Rationale: Definitions cannot contain requirements (shall). These have been moved to Section 8, performance testing and evaluation*

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## 8 Performance testing and evaluation

The analytical methods listed in Table A.1 shall be used for testing. Alternate methods ~~may also be used~~ are permissible, provided equivalency is demonstrated by technical review and the review is documented. An equivalent method involves the same measurement technique. Equivalent methods are known to be capable of generating reliable results to equivalent quality requirements. All sample collection methods shall be in accordance with *Standard Methods* unless otherwise specified.

*Rationale: avoid use of the word "may"*

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### 8.6 Criteria (applicable to all reuse systems evaluated in accordance with 8.1, 8.2, and 8.3)

#### 8.6.1 General

**8.6.1.1** If conditions during the testing and evaluation period result in system upset, improper sampling, improper dosing, or influent characteristics outside of the specified ranges, an assessment shall be conducted to determine the extent to which these conditions adversely affected the performance of the

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system. Based on this assessment, it is acceptable to exclude specific data points ~~may be excluded~~ from the averages of effluent measurements. Rationale for all data exclusions shall be documented in the final report.

*Rationale: avoid use of the word "may"*

**8.6.1.2** In the event that a catastrophic site problem not described in this Standard including, but not limited to, influent characteristics (including influent total coliform or *E.coli* results exceeding the single sample maximum values during testing under 8.1), malfunctions of test apparatus, and acts of nature, jeopardizes the validity of the performance testing and evaluation, manufacturers shall be given the choice to:

- perform maintenance on the system, reinitiate system start-up procedures, and restart the performance testing and evaluation; or
- with no routine maintenance performed, have the system brought back to pre-existing conditions and resume testing within 3 wk (21 d) after the site problem has been identified and corrected. Data collected during the system recovery period shall be excluded from averages of effluent measurements.

NOTE — Pre-existing conditions shall be defined as the point when the results of 3 consecutive data days are within 15% of the previous 30-d average(s).

**8.6.1.3** During the design loading sequence, a minimum of 2/3 of the total scheduled data days shall be necessary for the test to be considered valid.

**8.6.1.4** During the stress loading sequence (8.1.2.2.2 and 8.2.2.2.2), a minimum of 2/3 of the total scheduled data days and from at least one of the scheduled data days during any single stress recovery shall be necessary for the test to be considered valid.

**8.6.1.5** A 30-d average or 30-d geo mean average discharge value shall consist of a minimum of 50% of the regularly scheduled sampling days per month. If a calendar month contains less than the required number of data days, it is permissible to transfer sufficient data days from the preceding calendar month to constitute a 30-d average or 30-d geo mean discharge value. If there are not sufficient data days available in the preceding calendar month, it is permissible for the transfer of data days to take place from the following calendar month to constitute a 30-d average or 30-d geo mean discharge value. No data day shall be included in more than one 30-d average or 30-d geo mean discharge value.

**8.6.1.6** When a sample result is less than the detection limit, the detection limit shall be used as the value for the purpose of calculating the 30-d average or 30-d geo mean. When all of the sample results in a 30 day period are less than the detection limit, the 30-d average or 30-d geo mean shall be reported as less than the detection limit.

## BSR/UL 484, Standard for Room Air Conditioners

23.2.2 Except as indicated in paragraphs 23.2.1 (c) and (f), electronically protected motor circuits shall comply with one of the following:

- a) The Standard for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991. When the protective electronic circuit is relying upon software as a protective component, it shall comply with the requirements in the Standard for Software in Programmable Components, UL 1998. If software is relied upon to perform a safety function, it shall be considered software Class 1;
- b) The Standard for Automatic Electrical Controls – Part 1: General Requirements, UL 60730-1 as well as the Standard for Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Temperature Sensing Controls, UL 60730-2-9. If software is relied upon to perform a safety function, it shall be considered software Class B; or,
- c) The Standard for Power Conversion Equipment, UL 508C, or the Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1 for a power conversion controller protecting a motor in a split-system or packaged terminal air conditioner. The controller shall incorporate overcurrent protection with the percentage protection set as indicated in Table 23.1.

*Exception: Compliance with the above standards is not required for an electronically protected motor circuit if there is no risk of fire, electric shock, or casualty hazard during abnormal testing with the protective electronic circuit rendered ineffective.*

### 23.4 Protection of hermetic refrigerant motor-compressors

23.4.1 Hermetic refrigerant motor-compressors shall be protected in accordance with one or more of the following:

- a) The applicable requirements in UL 60335-2-34; or
- b) The Standard for Power Conversion Equipment, UL 508C, or the Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal, and Energy, UL 61800-5-1 for a power conversion controller protecting a compressor in a splitsystem or packaged terminal air conditioner. The controller shall incorporate overcurrent protection with the percentage protection set as indicated in Table 23.1.

SB1.1 These requirements apply to room air conditioners intended to receive and respond to communication signals or data relating to power billing rate or demand response or communication signals from a remote user interface, such as a smart phone or computer. The smart enabled control response may include, but is not limited to, status indication, delayed start, remote stop of a function, remote start, adjusted temperature setting operation, or extended timer ON or OFF operation.