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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: December 30, 2018

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

Revision

BSR/ASHRAE Standard 23.1-201x, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant (revision of ANSI/ASHRAE Standard 23.1-2010)

The second 23.1-2010R ISC public review (PPR2) that ended on October 15, 2017, had no public review comments. However, several equations contain unit conversion errors, and a variable was inadvertently omitted from one equation. Correcting these equations is the subject of this 23.1-2010R ISC3 PPR draft.

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

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

NSF (NSF International)

Revision

BSR/NSF 50-201x (i148r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water-facility operation.

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

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

BSR/NSF 350-201x (i38r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017a)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or commercial greywater reuse treatment systems. This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater 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 greywater 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) to: Jason Snider, (734) 418-6660, jsnider@nsf.org

BSR/NSF 401-201x (i13r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2017a)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking-water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1069-201x, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2018)

Revision to include Real Time Location System (RTLS) integration requirements.

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

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

Comment Deadline: January 14, 2019

AGA (ASC B109) (American Gas Association)

Revision

BSR B109.3-201x, Rotary-Type Gas Displacement Meters (revision of ANSI B109.3-2000 (R2008))

This publication represents a basic standard for operation, substantial and durable construction, and acceptable performance for rotary-type gas displacement meters. The standard is intended to meet the minimum design, material, performance and testing requirements for efficient use of rotary displacement meters. This is the fifth edition of standard B109.3, in which several additions/deletions have been made to avoid any ambiguity, to provide more consistency with other B109 standards, to improve upon some requirements, and to allow more leeway for future innovation and developments.

Single copy price: Free

Obtain an electronic copy from: jmeyers@aga.org

Order from: Jeffrey Meyers, (202) 824-7333, jmeyers@aga.org

Send comments (with copy to psa@ansi.org) to: Jeffrey Meyers, (202) 824-7333, jmeyers@aga.org

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

Revision

BSR/ASHRAE Standard 158.1-201x, Methods of Testing Capacity of Refrigerant Solenoid Valves (revision of ANSI/ASHRAE Standard 158.1-2012)

This revision of Standard 158.1-2012 prescribes a method of testing the capacity of refrigerant solenoid valves for use in refrigerating systems.

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section XI-201x, Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2017)

The rules of this section constitute requirements to maintain the nuclear power plant and to return the plant to service, following plant outages, in a safe and expeditious manner. The rules require a mandatory program of examinations, testing, and inspections to evidence adequate safety and to manage deterioration and aging effects. The rules also stipulate duties of the Authorized Nuclear Inservice Inspector to verify that the mandatory program has been completed, permitting the plant to return to service in an expeditious manner.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kimberly Verderber, (212) 591-8721, verderberk@asme.org

AWS (American Welding Society)

Revision

BSR/AWS A3.0M/A3.0-201x, Standard Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying (revision of ANSI/AWS A3.0M/A3.0-2009)

This standard is a glossary of the technical terms used in the welding industry. Its purpose is to establish standard terms to aid in the communication of information related to welding and allied processes. Since it is intended to be a comprehensive compilation of welding terminology, nonstandard terms used in the welding industry are also included. All terms are either standard or nonstandard. They are arranged in word-by-word alphabetical sequence.

Single copy price: \$86.00

Obtain an electronic copy from: sborrero@aws.org

Order from: sborrero@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, EXT 466, adavis@aws.org

AWWA (American Water Works Association)

Revision

BSR/AWWA B112-201x, Microfiltration and Ultrafiltration Membrane Systems (revision of ANSI/AWWA B112-2015)

This standard sets minimum requirements for microfiltration (MF) and ultrafiltration (UF) membrane systems for water and reclaimed water filtration systems. This standard does not cover the membranes used in biological wastewater treatment, such as membrane bioreactors.

Single copy price: Free

Obtain an electronic copy from: ETSupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with copy to psa@ansi.org) to: AWWA, Paul J. Olson, polson@awwa.org

BSR/AWWA C223-201x, Fabricated Steel and Stainless-Steel Tapping Sleeves (revision of ANSI/AWWA C223-2013)

This standard describes fabricated steel and stainless-steel tapping sleeves used to provide outlets and branches on existing pipe with or without interruption of service. They are intended for pipe sizes 4 in. (100 mm) through 48 in. (1,200 mm) with branch outlets through 36 in. (900 mm).

Single copy price: Free

Obtain an electronic copy from: ETSupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with copy to psa@ansi.org) to: AWWA, Paul J. Olson, polson@awwa.org

BICSI (Building Industry Consulting Service International)

New Standard

BSR/BICSI 009-201x, Data Center Operations and Maintenance Best Practices (new standard)

This standard provides requirements, recommendations, and best practices for the operation and maintenance of data centers including but not limited to standard operating procedures, emergency operating procedures, maintenance, governance, and management.

Single copy price: Free

Obtain an electronic copy from: jsilveira@bicsi.org

Send comments (with copy to psa@ansi.org) to: jsilveira@bicsi.org

CSA (CSA Group)

Reaffirmation

BSR/CSA HGV 2-2014 (R201x), Compressed hydrogen gas vehicle fuel containers (reaffirmation of ANSI/CSA HGV 2-2014)

This standard contains requirements for the material, design, manufacture, marking and testing of serially produced, refillable containers intended only for the storage of compressed hydrogen gas for vehicle operation. These containers are to be permanently attached to the vehicle. Containers shall not be over 1,000 liters (35.4 cu ft) water capacity and shall not exceed a nominal working pressure of 70 MPa.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

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

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

BSR/CSA HGV 3.1-2014 (R201x), Fuel system components for compressed hydrogen gas powered vehicles (reaffirmation of ANSI/CSA HGV 3.1-2014)

This standard contains requirements for newly produced compressed hydrogen gas fuel system components, intended for use on hydrogen-gas-powered vehicles. This standard applies to devices which have a service pressure of either 25 MPa, 35 MPa, or 70 MPa. Components included in this standard include: check valve, manual valve, manual container valve, automatic valve, gas injector, pressure indicator, pressure regulator, pressure relief valve, pressure relief device, excess flow valve, gas tight housing and ventilation lines and passages, rigid fuel line, flexible fuel line, filter housing, fittings, and relief line closures.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

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

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

BSR/CSA HGV 4.2-2013 (R201x), Standard for hoses for compressed hydrogen fuel stations, dispensers and vehicle fuel systems (reaffirmation of ANSI/CSA HGV 4.2-2013)

This standard contains safety requirements for the material, design, manufacture, and testing of gaseous hydrogen hose and hose assemblies which are used as a part of the dispensing station to connect the dispenser to the refueling nozzle; used as part of a vehicle on-board fuel system; or used as vent lines which carry gas to a safe location for either vehicles or dispensing systems.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

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

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

BSR/CSA HGV 4.10-2012 (R201x), Standard for fittings for compressed hydrogen gas and hydrogen rich gas mixtures (reaffirmation of ANSI/CSA HGV 4.10-2012)

This standard specifies uniform methods for testing and evaluating the performance of fittings, including connectors and stud ends for ports, used with compressed hydrogen gas and hydrogen-rich gas mixtures. This standard does not include quick action couplings, flanges, or welded joints.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

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

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

ECIA (Electronic Components Industry Association)

Reaffirmation

BSR/EIA 296-F-2015 (R201x), Lead Taping of Components in Axial Lead Configuration for Automatic Handling (reaffirmation of ANSI/EIA 296-F-2015)

This Standard is formulated to provide dimensions and tolerances necessary to tape axial leaded components after manufacture so that they can be automatically handled. Axial leaded components are leaded components with the lead egress concentric with the longitudinal axis centerline of the component body.

Single copy price: \$76.00

Obtain an electronic copy from: emikoski@ecianow.org

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

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0294, emikoski@ecianow.org

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

New Standard

BSR/ASSE 1084-201x, Performance Requirements for Water Heaters with Temperature Limiting Capacity (new standard)

Water heaters with precise output temperature control under varying flow conditions are used to provide tempered water to the user. As such, they need to limit the maximum temperature of the water in order to minimize the risk of scalding. Water heaters covered by this standard have a cold water inlet connection, a means of heating the water, a means of controlling the water temperature, a means of limiting the temperature to a maximum of 120°F (48.9°C), and have an outlet connection to connect to downstream fixture fittings. This water heater is intended to supply tempered water at point-of-use in order to reduce and control the risks of scalding. This water heater is not intended to limit thermal shock.

Single copy price: Free

Obtain an electronic copy from: <http://asse-plumbing.org/pr/1084-2018-PR.pdf>

Send comments (with copy to psa@ansi.org) to: conrad.jahrling@asse-plumbing.org. Please include "PR1084" in the subject line of e-mail.

ISEA (International Safety Equipment Association)

Revision

BSR/ISEA 201-201x, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments (revision of ANSI/ISEA 201-2012)

This standard established performance and classification requirements for occupational apparel used in cold work environments. Specific performance categories are included for thermal insulation (Clo) and thermal transport properties. Classifications are based on the resistance to the decay of these properties due to laundering. The document also includes garment care and labeling requirements and provides guidance on garment selection. Specific apparel includes insulated or shell jackets, parkas, pants, coveralls, and insulated flame-resistant occupational wear. This standard does not address gloves or headwear.

Single copy price: \$20.00

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

Send comments (with copy to psa@ansi.org) to: Cristine Fargo, (703) 525-1695, cfargo@safetyequipment.org

NAAMM (National Association of Architectural Metal Manufacturers)

Reaffirmation

BSR/NAAMM HMMA 841-2013 (R201x), Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 841-2013)

In order for hollow metal doors to operate properly, they must be manufactured and installed within the appropriate tolerances and clearances. This standard provides the relevant tolerances and clearances required for commercial hollow metal doors and frames.

Single copy price: \$25.00

Obtain an electronic copy from: [http://www.naamm.org/ansi-information#ANSI/NAAMM%20Pending Standards](http://www.naamm.org/ansi-information#ANSI/NAAMM%20Pending%20Standards)

Order from: Vernon W. Lewis, Jr. PE, 123 College Place, Unit 1101, Norfolk, VA 23510, Telephone 757-489-0787

Send comments (with copy to psa@ansi.org) to: Vernon (Wes) Lewis, (757) 489-0787, wlewis7@cox.net

NEMA (ASC C136) (National Electrical Manufacturers Association)

Stabilized Maintenance

BSR C136.4-2003 (S201x), Series Sockets and Series Socket Receptacles (stabilized maintenance of ANSI C136.4-2003 (R2013))

This standard covers the following equipment for roadway and area luminaries: (a) Series sockets having medium impact strength and intended for service at high temperatures, (b) Series sockets having high-impact strength and intended for service at limited temperatures, and (c) Series-socket receptacles (called the receptacles in this standard) in the 5000 V classification.

Single copy price: \$30.00

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

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

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

NENA (National Emergency Number Association)

New Standard

BSR/NENA STA-020.1-201X, NENA Standard for 9-1-1 Call Processing (new standard)

This work will combine and update current NENA standards in the areas of: (1) Guidelines for minimum response to wireless 911 calls, (2) Call answering standard/model recommendation, (3) Emergency call processing protocol standard, and (4) Silent or HangUp 911 Calls for service (information document). NENA will intend and attempt to engage both NFPA and APCO to develop a joint ANSI-accredited standard. All three organizations are ANSI Accredited Standards Developers, and this joint effort should ensure the harmonization of our standards in the above areas. To join this group, go to <http://www.nena.org/?page=911CallProcessing> and complete the form.

Single copy price: Free

Obtain an electronic copy from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=14849&wg_id=psapops-sop-sc-callprocessing

Order from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=14849&wg_id=psapops-sop-sc-callprocessing

Send comments (with copy to psa@ansi.org) to: https://dev.nena.org/higherlogic/ws/public/document?document_id=14849&wg_id=psapops-sop-sc-callprocessing and select "Add A Comment."

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60079-0-201X, Standard for Safety for Explosive Atmospheres - Part 0: General Requirements (national adoption of IEC 60079-0 with modifications and revision of ANSI/UL 60079-0-2013 (R2017))

This proposal provides revisions to the proposal dated June 15, 2018 for the Adoption of IEC 60079-0, Explosive Atmospheres - Part 0: General Requirements, (seventh edition issued by IEC December 2017) as a new UL IEC-based UL standard, UL 60079-0 to the applicable requirements per comments received.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 962-201x, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962-2017)

Covers the harmonization of the requirements for furnishings that may hold audio and video equipment with UL 1678 and adding a reference to UL 62368-1.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Shannon Turner, (919) 549-1003, Shannon.W.Turner@ul.com

BSR/UL 1678-201x, Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2017)

Covers the harmonization of the requirements for furnishings that may hold audio and video equipment with UL 962 and UL 2442 and adding a reference to UL 62368-1.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Shannon Turner, (919) 549-1003, Shannon.W.Turner@ul.com

BSR/UL 2442-201x, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2018)

Covers the harmonization of the requirements for furnishings that may hold audio and video equipment with UL 962 and UL 1678.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Shannon Turner, (919) 549-1003, Shannon.W.Turner@ul.com

Comment Deadline: January 29, 2019

Reaffirmations and withdrawals available electronically may be accessed at: 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

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B89.1.7-2009 (R201x), Performance Standard for Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2014))

This standard specifies the requirements for steel measuring tapes, with respect to units (International System (SI) and/or U.S. Customary), graduations, numbering, designations, and accuracy requirements.

Single copy price: \$32.00

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) to: Justin Cassamassino, (212) 591-8404, cassasmassinoj@asme.org

BSR/ASME B89.4.22-2004 (R201x), Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines (CMM) (reaffirmation of ANSI/ASME B89.4.22-2004 (2014))

The scope of this Standard pertains to the performance evaluation of articulated arm coordinate measuring machines. While any number of rotational joints can be evaluated, the Standard focuses on the more common configurations commercially available today and is limited to seven joints. The Standard addresses purely manual machines. While the application of this class of measuring machine continues to grow, at this point in time only contact probes are considered. This Standard establishes requirements and methods for specifying and testing the performance of AACMMs. In addition to clarifying the performance evaluation of AACMMs, this Standard seeks to facilitate performance comparisons among machines by unifying terminology, general machine classification, the treatment of environmental effects, and data analysis. This Standard attempts to define the simplest testing methods capable of yielding adequate results for most AACMMs and it is not intended to replace more complete tests that may be suitable for special applications.

Single copy price: \$50.00

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) to: Justin Cassamassino, (212) 591-8404, cassasmassinoj@asme.org

Technical Reports Registered with ANSI

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

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

Comment Deadline: December 30, 2018

APTech (ASC CGATS) (Association for Print Technologies)

Reaffirmation

CGATS/Idealliance TR 016-2014 (R2017), Graphic Technology - Tolerance and Conformity Assessment (reaffirm technical report)

This technical report defines a process that can be used in evaluating the conformance of a printing operation to a set of reference color characterization data, which are used as the intended printing aim. It includes color deviation, within-sheet color variation, and production color variation. It also provides a conformance assessment procedure which can be applied to a press run including evaluation of production color deviation and production color variation. A four-level tolerance schema is described along with a procedure for the combination of the weighted results into a single score.

Single copy price: Free

Order from: Jeff Linder, (703) 264-7200, jlinder@apttech.org

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

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

ECIA (Electronic Components Industry Association)

ANSI/EIA 364-52B-2009, Solderability of Contact Terminations Test Procedure for Electrical Connectors and Sockets

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 540B0AE-2000 (R2009), Detail Spec for Production Land Grid Array (LGA) Sockets for Use in Electronic Equipment

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

Call for Members (ANS Consensus Bodies)

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

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

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Tim Fisher

Phone: (847) 768-3411

E-mail: TFisher@ASSP.org

BSR/ASSP A10.31-201x, Safety Requirements, Definitions and Specifications for Digger Derricks (revision and redesignation of ANSI/ASSE A10.31-2013)

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603

Contact: Michael Tierney

Phone: (860) 944-4264

E-mail: mtierney@kellencompany.com

BSR/BHMA A156.3-201x, Standard for Exit Devices (revision of ANSI/BHMA A156.3-2014)

BSR/BHMA A156.5-201x, Standard for Cylinders for Input Devices for Locks (revision of ANSI/BHMA A156.5-2014)

BSR/BHMA A156.17-201x, Standard for Spring Hinges and Pivots (revision of ANSI/BHMA A156.17-2014)

BSR/BHMA A156.21-201x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2014)

BSR/BHMA A156.32-201x, Standard for Integrated Door Opening Assemblies (revision of ANSI/BHMA A156.32-2014)

BSR/BHMA A156.37-201x, Standard for Multipoint Locks (revision of ANSI/BHMA A156.37-2014)

CEMA (Conveyor Equipment Manufacturers Association)

Office: 5672 Strand Court
Suite 2
Naples, FL 34110

Contact: Philip Hannigan

Phone: (239) 514-3441

E-mail: phil@cemanet.org

BSR/CEMA 300-201x, Screw Conveyor Dimensional Standards (revision of ANSI/CEMA 300-2015)

ECIA (Electronic Components Industry Association)

Office: 13873 Park Center Road
Suite 315
Herndon, VA 20171

Contact: Laura Donohoe

Phone: (571) 323-0294

E-mail: ldonohoe@ecianow.org

BSR/EIA 296-F-2015 (R201x), Lead Taping of Components in Axial Lead Configuration for Automatic Handling (reaffirmation of ANSI/EIA 296-F-2015)

BSR/EIA 364-120-201x, Electrolytic Erosion Test Procedure for Electrical Connectors (new standard)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: Leslie Schraff

Phone: (216) 241-7333

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 99-1-201x, Standard for Performance Testing of Secondary Pressure Drainers (revision of ANSI/FCI 99-1-2014)

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 201-201x, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments (revision of ANSI/ISEA 201-2012)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005

Contact: Rachel Porter

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

INCITS 565-201x, Information technology - Next Generation Access Control (new standard)

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510

Contact: *Vernon (Wes) Lewis*

Phone: (757) 489-0787

E-mail: wlewis7@cox.net

BSR/NAAMM HMMA 841-2013 (R201x), Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 841-2013)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: *David Richmond*

Phone: (703) 841-3234

E-mail: David.Richmond@nema.org

BSR C136.4-2003 (S201x), Series Sockets and Series Socket Receptacles (stabilized maintenance of ANSI C136.4-2003 (R2013))

BSR C136.16-201X, Standard for Roadway and Area Lighting Equipment Post Top Mounted Luminaires (revision of ANSI C136.16-2014)

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 50-201x (i148r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

BSR/NSF 350-201x (i38r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017a)

BSR/NSF 401-201x (i13r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2017a)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

E-mail: standards@tiaonline.org

ANSI J-STD-036-C-2011, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-2011)

ANSI J-STD-036-C-1-2013, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-1-2013)

BSR/TIA J-STD-025-A-2003 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-A-2003 (R2012))

BSR/TIA J-STD-025-B-2006 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-B-2006 (R2012))

BSR/TIA J-STD-025-B-1-2006 (R201x), Lawfully Authorized Electronic Surveillance (LAES) Addendum 1 - Addition of Mobile Equipment Identifier (MEID) (reaffirmation of ANSI/TIA J-STD-025-B-1-2006 (R2012))

BSR/TIA J-STD-025-B-2-2007 (R201x), Lawfully Authorized Electronic Surveillance (LAES) Addendum 2 - Support for Carrier Identity (reaffirmation of ANSI/TIA J-STD-025-B-2-2007 (R2012))

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

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

ASTM (ASTM International)

Revision

ANSI/ASTM F2098-2018, Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings (revision of ANSI/ASTM F2098-2017): 11/15/2018

CSA (CSA Group)

New National Adoption

ANSI/CSA FC 6-2018, Fuel cell technologies - Part 2: Fuel cell modules (national adoption with modifications of IEC 62282-2-100): 11/20/2018

NSF (NSF International)

Revision

ANSI/NSF 53-2018 (i114r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2017): 11/19/2018

ANSI/NSF 419-2018 (i8r2), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015): 11/15/2018

RESNET (Residential Energy Services Network, Inc.)

Revision

- * ANSI/RESNET/ICC 380-2019, Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems (revision of ANSI/RESNET/ICC 380-2016): 11/20/2018

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

New Standard

- * ANSI/SAIA A92.20-2018, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) (new standard): 11/20/2018
- * ANSI/SAIA A92.22-2018, Safe Use of Mobile Elevating Work Platforms (MEWPs) (new standard): 11/20/2018
- * ANSI/SAIA A92.24-2018, Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs) (new standard): 11/20/2018

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 61010-1-2018, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2016): 11/16/2018

New Standard

ANSI/UL 1316-2018, Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids (new standard): 11/21/2018

ANSI/UL 1316-2018a, Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids (new standard): 11/21/2018

Reaffirmation

ANSI/UL 1659-2005 (R2018), Standard for Safety for Attachment Plug Blades for Use in Cord Sets and Power-Supply Cords (reaffirmation of ANSI/UL 1659-2005 (R2014)): 11/19/2018

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.

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

Contact: Steven Ferguson, (404) 636-8400, sferguson@ashrae.org
1791 Tullie Circle NE, Atlanta, GA 30329

New Standard

BSR/ASHRAE Standard 41.13-201x, Standard Methods for Fuel Heating Value Measurements (new standard)

Stakeholders: Manufacturers of HVAC&R components and systems, test laboratories that test HVAC&R components and systems, consumers of HVAC&R components and systems, consumer product test laboratories that evaluate HVAC&R components and systems.

Project Need: Methods for calculating the fuel heating value for fuels used in HVAC&R systems are published by other standards development organizations (primarily ASTM), but ASHRAE should have a standard for measuring fuel heating values to make it easier for users to apply the methods prescribed within the standard and to apply existing methods that are incorporated by reference.

This standard provides methods for determining fuel heating values for use in testing heating, ventilating, air-conditioning, and refrigeration systems and components under laboratory and field conditions.

BSR/ASHRAE Standard 202.2P-201x, Commissioning Process for Existing Systems and Assemblies (new standard)

Stakeholders: BOMA, ICC; Building Commissioning industry, e.g., BCA, NEBB, ACG, TAB; Federal, state, municipalities, and utilities enacting legislative requirements; National labs and NGOs focused on sustainability and energy efficiency.

Project Need: Legislative mandates are requiring existing building commissioning, often referred to as Retro Commissioning, to identify opportunities for building owners to improve energy efficiency and reduce greenhouse gas emissions. These legislative mandates are already enacted in several major metropolitan areas of the USA, e.g., New York, Chicago, Los Angeles, and so on. Currently, there is no standard that provides the requirements for implementing existing building commissioning. At the ASHRAE 2018 Annual Meeting in Houston requests for ASHRAE assistance was expressed from PNNL resulting from their involvement with many of these municipalities to provide guidance through in the form of an ASHRAE Standard that could be used to guide and enforce existing building commissioning.

The purpose is to identify the minimum acceptable commissioning process for existing buildings and systems. This standard provides procedures, methods, and documentation requirements for each commissioning activity from planning to assessment, investigation, implementation, hand-off, and initial ongoing commissioning.

BSR/ASHRAE Standard 226-201x, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Compressor Units (new standard)

Stakeholders: System and compressor manufacturers, education.

Project Need: The purpose of this new standard is to merge the content of the present versions of Standards 23.1 and 23.2 into a single document because the two documents are very similar to each other.

This standard prescribes methods for performance testing positive-displacement refrigerant compressors and compressor units including capacity, isentropic efficiency, and volumetric efficiency.

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

Contact: Tim Fisher, (847) 768-3411, TFisher@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068

Revision

BSR/ASSP A10.31-201x, Safety Requirements, Definitions and Specifications for Digger Derricks (revision and redesignation of ANSI/ASSE A10.31-2013)

Stakeholders: Safety professionals in the Construction and Demolition industry.

Project Need: Based upon the consensus of the A10 Accredited Standards Committee and feedback from safety professionals in the construction and demolition industry.

This standard applies to special multipurpose vehicle-mounted machines, commonly known as digger derricks. These machines are primarily designed to accommodate components that dig holes, set poles and position materials and apparatus

ASSP (Safety) (American Society of Safety Professionals)

Contact: Ovidiu Munteanu, (847) 699-2929, OMunteanu@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068

Revision

BSR/ASSP Z9.14-201x, Testing and Performance-Verification Methodologies for Ventilation Systems for Biosafety Level 3 (BSL-3) and Animal Biosafety Level 3 (ABSL-3) Facilities (revision and redesignation of ANSI/ASSE Z9.14-2014)

Stakeholders: Federal government; universities; Medical and Pharmaceutical industry; design and construction professionals involved with high-containment facility design, maintenance and operation professionals of high-containment facilities.

Project Need: It is estimated that there are over 1300 registered BSL-3 Laboratories in the U.S. with many more that operate at that level. This standard was developed for high-containment laboratory design, construction, commissioning, or training standards for laboratory workers. It defines what is required to maintain the integrity of high-containment laboratories once they have been commissioned and begin operating.

High containment laboratory certification is the systematic review and evaluation of all safety features and processes associated with the laboratory (engineering controls, personal protective equipment, building and system integrity, standard operating procedures (SOPs)) and administrative controls. The methodology for certifying a BSL-3 will assist professionals in ensuring that all reasonable facility controls and prudent practices are in place to minimize, to the greatest extent possible, the risks associated with laboratory operations and the use of biohazardous materials.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9696, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK65938-201x, New Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials (new standard)

Stakeholders: Surface Burning industry.

Project Need: The purpose of this new mounting method is to provide a standardized mounting procedure for fenestration profiles to assess flame spread and smoke development in accordance the ASTM E84.

This practice describes procedures for specimen preparation and mounting when testing fenestration profiles to assess flame spread and smoke development as surface burning characteristics using Test Method E84. This practice applies to lengths of fenestration profiles only, intended for in-fill no less than 8 inches wide.

BHMA (Builders Hardware Manufacturers Association)

Contact: Karen Bishop, (513) 600-2871, Kbishop@Kellencompany.com
355 Lexington Avenue, 15th Floor, New York, NY 10017-6603

Revision

BSR/BHMA A156.5-201x, Standard for Cylinders and Input Devices for Locks (revision of ANSI/BHMA A156.5-2014)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: To comply with the five-year revision cycle.

This standard establishes requirements for mechanical cylinders, electrified input devices, and push button mechanisms, which include operational and strength tests.

BSR/BHMA A156.21-201x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2014)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: To comply with the five-year revision cycle.

This Standard establishes requirements for thresholds. Types are described with identifying numbers. Strength tests, fastening systems, and gasketing tests are included.

BSR/BHMA A156.37-201x, Standard for Multipoint Locks (revision of ANSI/BHMA A156.37-2014)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: To comply with the five-year revision cycle.

This Standard establishes performance requirements for Multipoint Locks and includes operational tests, cycle tests, strength tests, security tests, and finish tests.

BHMA (Builders Hardware Manufacturers Association)

Contact: Michael Tierney, (860) 944-4264, mtierney@kellencompany.com
355 Lexington Avenue, 15th Floor, New York, NY 10017-6603

Revision

BSR/BHMA A156.3-201x, Standard for Exit Devices (revision of ANSI/BHMA A156.3-2014)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: Update per five-year revision cycle.

This standard establishes requirements for exit devices and trim, automatic and self-latching flush bolts, removable mullions, coordinators, and carry-open bars. Performance criteria include cycle, operational, strength, material evaluation, and finish tests. Functions and types are described and numbered.

BSR/BHMA A156.17-201x, Standard for Spring Hinges and Pivots (revision of ANSI/BHMA A156.17-2014)

Stakeholders: Consumers, door and hardware manufacturers, Construction industry.

Project Need: To comply with the five-year revision cycle.

This Standard establishes requirements for self-closing hinges and pivots. Cycle tests, operational tests, finish tests, material, and dimensional requirements are included.

BSR/BHMA A156.30-201x, Standard for High Security Cylinders (revision of ANSI/BHMA A156.30-2014)

Stakeholders: Consumers, door and hardware manufacturers, Building and Construction industry.

Project Need: Update per five-year revision cycle.

This Standard includes security-performance-based requirements for both mechanical and electrified high-security cylinders. For the purpose of this Standard, high-security cylinder includes mechanical lock cylinders, electromechanical cylinders, and the electronic lock sub-assemblies that are analogous to the cylinder assemblies. Cylinders include their keys or electronic credentials; their retainers (mechanical pins, levers, discs) or electronic control device; and their cylinder tailpiece or cam or electronic output port.

BSR/BHMA A156.32-201x, Standard for Integrated Door Opening Assemblies (revision of ANSI/BHMA A156.32-2014)

Stakeholders: Consumers, door and hardware manufacturers, Building and Construction industry.

Project Need: Update per five-year revision cycle.

This Standard establishes requirements for integrated door opening assemblies with steel-, wood-, and fiberglass-reinforced doors which are supplied to the customer with integral hardware. At a minimum, they shall include a door, frame, hanging device, and latching mechanism.

BSR/BHMA A156.38-201x, Standard for Low Energy Power Operated Sliding and Folding Doors (revision of ANSI/BHMA A156.38-2014)

Stakeholders: Consumers, door and hardware manufacturers, Building and Construction industry.

Project Need: Update per five-year revision cycle.

Requirements in this Standard apply to low-energy power-operated sliding and folding door systems for pedestrian use, and some small vehicular use. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment.

CEMA (Conveyor Equipment Manufacturers Association)

Contact: Philip Hannigan, (239) 514-3441, phil@cemanet.org
5672 Strand Court, Suite 2, Naples, FL 34110

Revision

BSR/CEMA 300-201x, Screw Conveyor Dimensional Standards (revision of ANSI/CEMA 300-2015)

Stakeholders: Screw conveyor manufacturers, application designers, and users.

Project Need: The current standard only covers up to 24-inch screws. CEMA recently updated ANSI/CEMA Standard 350 to include 30-inch and 36-inch screws. Thus, the need to add additional dimensional options for the sub-standards in ANSI/CEMA 300 on an incremental basis.

CEMA intends to update several of the sub-standards in this document. This standard consists of 34 individual sub-standards that provide dimensional standards for major screw conveyor components. Included are tables for troughs; trough ends; and covers, screws, and discharge spouts.

ECIA (Electronic Components Industry Association)

Contact: *Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org*
13873 Park Center Road, Suite 315, Herndon, VA 20171

New Standard

BSR/EIA 364-120-201x, Electrolytic Erosion Test Procedure for Electrical Connectors (new standard)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Create new American National Standard.

This standard provides test procedures for electrolytic erosion.

FCI (Fluid Controls Institute)

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

Revision

BSR/FCI 99-1-201x, Standard for Performance Testing of Secondary Pressure Drainers (revision of ANSI/FCI 99-1-2014)

Stakeholders: Manufacturers, users, and specifiers of secondary pressure drainers.

Project Need: This standard was developed to provide manufacturers, users, and specifiers of the products with uniform methods and requirements to conduct performance testing of secondary pressure drainers.

This standard specifies performance tests that are considered to be applicable to secondary pressure drainers.

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

Contact: *Rachel Porter, (202) 737-8888, comments@standards.incits.org*
1101 K Street NW, Suite 610, Washington, DC 20005

New Standard

INCITS 565-201x, Information technology - Next Generation Access Control (new standard)

Stakeholders: ICT industry.

Project Need: The existing NGAC standard comprise three family members. A need exists to consolidate the three family members into a single standard to achieve the following benefits: (1) synchronization of the different review cycles and application of corrigendum to the three NGAC family members; (2) streamlining of content, removing redundancies within each member, and inconsistencies among members; and (3) improvement of existing content and correction of identified errors. The overall effect will be to reduce the effort for interested parties to understand and apply the NGAC standard, and for the standards body to maintain it.

The existing NGAC standard comprises three distinct standards: INCITS 499-2017, Information technology - Next Generation Access Control - Functional Architecture (NGAC-FA); INCITS 526-2016, Information technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS); and INCITS 525, Information technology - Next Generation Access Control - Implementation Requirements, Protocols and API Definitions (NGAC-IRPAD). This situation has resulted in redundancies (e.g., due to reestablishing context in each member) and inconsistencies among members (e.g., due to different production times), which increases the difficulty to understand and apply the specifications, and to maintain them (e.g., different review cycles and production of corrigendum). The scope of this work is to produce a single consolidated standard based on the existing three standards that constitute the NGAC.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.16-201X, Standard for Roadway and Area Lighting Equipment - Post-Top Mounted Luminaires (revision of ANSI C136.16-2014)

Stakeholders: Users, producers, specifiers, test labs.

Project Need: Needed to update the standard to provide an option for a remote antenna to ensure appropriate RF propagation between the post-top luminaires and the network lighting control system.

Add a control-ready option using a remote antenna for post-top luminaires with a control receptacle located in a metal housing while reviewing the entire document for revision.

NETA (InterNational Electrical Testing Association)

Contact: Richard Piet, (269) 488-6382, rpier@netaworld.org
3050 Old Centre, Suite 101, Portage, MI 49024

Revision

BSR/NETA ATS-2021-201x, NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2017)

Stakeholders: Governmental agencies, A&E firms, inspection authorities, owners of facilities that utilize large blocks of electric energy, electrical testing companies.

Project Need: This project is being initiated in order to assure that this standard reflects current industry standards, best practices, and technologies.

It is the intent of this document to assure that all tested electrical equipment and systems supplied by either the contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

TIA (Telecommunications Industry Association)

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

Reaffirmation

BSR/TIA J-STD-025-A-2003 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-A-2003 (R2012))

Stakeholders: Manufacturers and users of law enforcement equipment.

Project Need: Reaffirm standard.

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

BSR/TIA J-STD-025-B-2006 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-B-2006 (R2012))

Stakeholders: Manufacturers and users of Mobile Equipment Identifier.

Project Need: Reaffirm standard.

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance

BSR/TIA J-STD-025-B-1-2006 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 1: Addition of Mobile Equipment Identifier (MEID) (reaffirmation of ANSI/TIA J-STD-025-B-1-2006 (R2012))

Stakeholders: Manufacturers and users of Mobile Equipment Identifier.

Project Need: Reaffirm standard.

This addendum only consists of additions to ANSI/J-STD-025-B adding MEID, as follows:

- (a) Page 12 Line 46: Section 3 -- Definitions and Acronyms -- Add Mobile Equipment Identifier (MEID);
- (b) Page 92 Line 10: Section 6.4.9 -- Party Identity - Add MEID
- (c) Page 220 Line 14: Annex I -- Party Identity - Add MEID;
- (d) Page 235 Lines 2 and 14: Index -- Add MEID and Mobile Equipment Identifier; and
- (e) Page 243 Line 43: Index -- Add MEID.

BSR/TIA J-STD-025-B-2-2007 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 2: Support for Carrier Identity (reaffirmation of ANSI/TIA J-STD-025-B-2-2007 (R2012))

Stakeholders: Manufacturers and users of Mobile Equipment Identifier.

Project Need: Reaffirm standard.

This addendum only consists of additions to ANSI/J-STD-025-B adding Carrier Identity information in the cdma2000 Packet Data Serving System message, as follows:

- (a) Page 72, Line 40: Section 5.5.4 cdma2000 Packet Data Serving System message, Table 21 -- Add Carrier Identity;
- (b) Page 93, Lines 40 and 52: Section 6.5 -- Module ID and Object Identifier -- Update Module ID and Object Identifier;
- (c) Page 95 Line 27: Section 6.5 -- message definitions, cdma2000 Packet Data Serving System message - Add Carrier Identity; and
- (d) Page 96 Line 3: Section 6.5 -- parameter definitions - Add Carrier Identity.

Withdrawal

ANSI J-STD-036-C-2011, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-2011)

Stakeholders: 9-1-1 PSAP, Cellular operators, 9-1-1 network and service providers.

Project Need: Withdraw standard.

This Standard provides a solution for the handling of Wireless Enhanced Emergency Calls for the FCC E911 Phase II mandate. Carrier position reporting to emergency services systems, as mandated by the Federal Communication Commission (FCC) under docket 94-102 (including orders 96-264, 99-96, and 99-245) has been addressed by this Interim Standard without considering position reporting privacy restrictions that may be desirable for other position reporting services. For this reason, this Standard does not preclude these other service restrictions.

ANSI J-STD-036-C-1-2013, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-1-2013)

Stakeholders: 9-1-1 PSAP, Cellular operators, 9-1-1 network and service providers.

Project Need: Withdraw standard.

This addendum is being created to assign two POSOUR codes to be used in association with two new CoS indicators for to support text to 911 and small fixed cells.

UL (Underwriters Laboratories, Inc.)

Contact: Mitchell Gold, (847) 664-2850, mitchell.gold@ul.com
333 Pfingsten Road, Northbrook, IL 60062-2096

New Standard

BSR/UL 1389-201x, Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (new standard)

Stakeholders: Regulators and Authorities Having Jurisdiction (AHJs), grow ops owners, designers, architects, and manufacturers of oil extraction equipment, cannabis equipment, and devices.

Project Need: To develop minimum safety requirements for cannabis oil extraction equipment intended for use in both the U. S. and Canada.

This Standard covers commercial and industrial plant oil extraction equipment for installation and use in ordinary (unclassified) locations and hazardous (classified) locations. Based on the application, installation is in accordance with the manufacturer's installation instructions and either ANSI/NFPA 70, "National Electrical Code" (NEC), the "International Fire Code," and ANSI/NFPA 1 and "Fire Code;" or CAN/CSA-C22.1, "Canadian Electrical Code, Part I" (CE Code) and "National Fire Code of Canada" (NFC). Plant oil extraction equipment includes: preparatory equipment (such as for trimming, deseeding, and drying/curing), extractors (for removing the oil from cannabis and other similar plants by the use of means such as alcohol (e.g., ethanol), hydrocarbons (e.g., butane, propane) or carbon dioxide), extraction booths or pods (for enclosing/protecting plant oil extraction equipment), and post-processing equipment (such as vacuum ovens, rotary evaporators, and solvent recovery pumps). This equipment, along with systems involving any combination of this equipment, is used for extracting oils from cannabis and other similar plants as instructed by the manufacturer. When intended for installation and use in hazardous (classified) locations, this equipment is marked accordingly.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, 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

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at 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.

AGA (ASC B109)

American Gas Association
400 N. Capitol St., NW
Washington, DC 20001
Phone: (202) 824-7333
Web: www.aga.org

APTech (ASC CGATS)

Association for Print Technologies
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Web: www.printtechnologies.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (404) 636-8400
Web: www.ashrae.org

ASME

American Society of Mechanical
Engineers
Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521
Web: www.asme.org

ASSP (Safety)

American Society of Safety
Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Web: www.assp.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9696
Web: www.astm.org

AWS

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

AWWA

American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

BHMA

Builders Hardware Manufacturers
Association
355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603
Phone: (860) 944-4264
Web: www.buildershardware.com

BICSI

Building Industry Consulting Service
International
8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712
Web: www.bicsi.org

CEMA

Conveyer Equipment Manufacturers
Association
5672 Strand Court
Suite 2
Naples, FL 34110
Phone: (239) 514-3441
Web: www.cemanet.org

CSA

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

ECIA

Electronic Components Industry
Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

FCI

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

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Web: www.asse-plumbing.org

ISEA

International Safety Equipment
Association
1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695
Web: www.safetysystem.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005
Phone: (202) 737-8888
Web: www.incits.org

NAAMM

National Association of Architectural
Metal Manufacturers
123 College Place
#1101
Norfolk, VA 23510
Phone: (757) 489-0787
Web: www.naamm.org

NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NENA

National Emergency Number
Association
1700 Diagonal Road
Suite 500
Alexandria, VA 22314
Phone: (202) 618-4405
Web: www.nena.org

NETA

InterNational Electrical Testing
Association
3050 Old Centre
Suite 101
Portage, MI 49024
Phone: (269) 488-6382
Web: www.netaworld.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660
Web: www.nsf.org

RESNET

Residential Energy Services Network,
Inc.
4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860
Web: www.resnet.us.com

SAIA (ASC A92)

Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
Phone: (816) 595-4860
Web: www.saiaonline.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2850
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 11136/DAMd1, Sensory analysis - Methodology - General guidance for conducting hedonic tests with consumers in a controlled area - Amendment 1 - 12/13/2018, \$46.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 24917, Space systems - General test requirements for launch vehicles - 12/10/2018, \$107.00

ISO/DIS 21384-3, Unmanned aircraft systems - Part 3: Operational procedures - 12/15/2018, \$77.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 5725-2, Accuracy (trueness and precision) of measurement methods and results - Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method - 2/14/2019, \$134.00

ISO/DIS 5725-4, Accuracy (trueness and precision) of measurement methods and results - Part 4: Basic methods for the determination of the trueness of a standard measurement method - 2/2/2019, \$93.00

AUDIT DATA COLLECTION (TC 295)

ISO/DIS 21378, Audit data collection - 2/10/2019, \$194.00

BASES FOR DESIGN OF STRUCTURES (TC 98)

ISO/DIS 10252, Bases for design of structures - Accidental actions due to human activities - 11/8/2007, \$165.00

BIOGAS (TC 255)

ISO/DIS 22580, Flares for combustion of biogas - 2/11/2019, \$58.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO/DIS 22442-2, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling - 12/16/2018, \$71.00

BIOTECHNOLOGY (TC 276)

ISO/DIS 20391-2, Biotechnology - Cell Counting - Part 2: Experimental design and statistical analysis to quantify counting method performance - 12/9/2018, \$125.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 23386, Building information modelling and other digital processes used in construction - Methodology to describe, author and maintain properties in interconnected dictionaries - 2/8/2019, \$98.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 52031, Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Space emission systems (heating and cooling) - 2/6/2019, \$125.00

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

ISO/DIS 1920-14, Testing of concrete - Part 14: Setting time of concrete mixtures by resistance to penetration - 2/10/2019, \$40.00

ISO/DIS 20290-2, Aggregates for concrete - Test methods for mechanical and physical properties - Part 2: Method for determination of resistance to fragmentation by Los Angeles Test (LA-Test) - 2/8/2019, \$46.00

ISO/DIS 20290-3, Aggregates for concrete - Test methods for mechanical and physical properties - Part 3: Determination of aggregate crushing value (ACV) - 2/8/2019, \$53.00

ISO/DIS 20290-4, Aggregates for concrete - Test methods for mechanical and physical properties - Part 4: Determination of ten per cent fines value (TFV) - 2/4/2019, \$53.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 21062, Corrosion of metals and alloys - Determination of corrosion rates of the embedded steel reinforcement in concrete exposed to the simulated marine environments - 12/7/2018, \$53.00

ISO/DIS 22426, Assessment of the effectiveness of cathodic protection based on coupon measurements - 12/7/2018, \$88.00

ISO/DIS 11844-1, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 1: Determination and estimation of indoor corrosivity - 12/6/2018, \$71.00

ISO/DIS 11844-2, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 2: Determination of corrosion attack in indoor atmospheres - 12/6/2018, \$62.00

ISO/DIS 11844-3, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity - 12/6/2018, \$53.00

COSMETICS (TC 217)

ISO/DIS 21322, Microbiology - Microbiological testing of impregnated or coated products - wipes and masks - 12/7/2018, \$88.00

CRYOGENIC VESSELS (TC 220)

ISO 21029-1/DAmD1, Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1 000 litres volume - Part 1: Design, fabrication, inspection and tests - Amendment 1 - 12/10/2018, \$29.00

DENTISTRY (TC 106)

ISO/DIS 21850-1, Dentistry - Materials for dental instruments - Part 1: Stainless steel - 2/2/2019, \$67.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 16610-29, Geometrical product specifications (GPS) - Filtration - Part 29: Linear profile filters - Wavelets - 2/1/2019, \$77.00

ERGONOMICS (TC 159)

ISO/DIS 24550, Ergonomics - Accessible design - Indicator lights on consumer products - 2/4/2019, \$46.00

ISO/DIS 24551, Ergonomics - Accessible design - Spoken instructions of consumer products - 2/4/2019, \$46.00

FIREWORKS (TC 264)

ISO/DIS 22863-1, Fireworks - Test methods for determination of specific chemical substances - Part 1: General - 12/15/2018, \$40.00

ISO/DIS 22863-2, Fireworks - Test method of prohibited chemical components for fireworks - Part 2: Hexachlorobenzene by gas chromatography - 12/15/2018, \$40.00

ISO/DIS 22863-3, Fireworks - Test methods for determination of specific chemical substances - Part 3: Lead and lead compounds by atomic absorption - 12/15/2018, \$40.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 4399, Fluid power systems and components - Connectors and associated components - Nominal pressures - 2/3/2019, \$33.00

GAS CYLINDERS (TC 58)

ISO/DIS 10961, Gas cylinders - Cylinder bundles - Design, manufacture, testing and inspection - 12/10/2018, \$88.00

ISO/DIS 11117, Gas cylinders - Valve protection caps, guards and shrouds - Design, construction and tests - 12/10/2018, \$71.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 5840-1, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements - 2/7/2019, \$134.00

ISO/DIS 5840-2, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes - 2/7/2019, \$112.00

ISO/DIS 5840-3, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques - 2/7/2019, \$155.00

ISO/DIS 14708-5, Implants for surgery - Active implantable medical devices - Part 5: Circulatory support devices - 2/1/2019, \$146.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 8000-116, Data quality - Part 116: Master data: Exchange of quality identifiers: Application of ISO 8000-115 to authoritative legal entity identifiers - 2/10/2019, \$40.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 11525-1, Rough-terrain trucks - Safe use requirements - Part 1: Variable-reach trucks - 2/2/2019, \$62.00

ISO/DIS 11525-2, Rough-terrain trucks - Safe use requirements - Part 2: Slewing variable-reach trucks - 2/2/2019, \$62.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 6798-1, Reciprocating internal combustion engines - Measurement of sound power level using sound pressure - Part 1: Engineering method - 2/7/2019, \$88.00

ISO/DIS 6798-2, Reciprocating internal combustion engines - Measurement of sound power level using sound pressure - Part 2: Survey method - 2/7/2019, \$82.00

MACHINE TOOLS (TC 39)

ISO/DIS 19744-1, Test conditions for numerically controlled broaching machines - Testing of the accuracy - Part 1: Vertical surface type broaching machines - 2/8/2019, \$112.00

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

ISO/DIS 20088-2, Determination of the resistance to cryogenic spill of insulation materials - Part 2: Vapour release - 2/9/2019, \$67.00

ISO/DIS 19901-10, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 10: Marine geophysical investigations - 2/14/2019, \$155.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 19283, Condition monitoring and diagnostics of machines - Hydroelectric generating units - 2/11/2019, \$125.00

ISO/DIS 18436-1, Condition monitoring and diagnostics of machine systems - Requirements for certification of personnel - Part 1: Sector specific requirements for certification bodies and the certification process - 2/2/2019, \$40.00

MINING (TC 82)

ISO 19225/DAmD1, Underground mining machines - Mobile extracting machines at the face - Safety requirements for shearer loaders and plough systems - Amendment 1 - 12/15/2018, \$33.00

NANOTECHNOLOGIES (TC 229)

ISO/DIS 20814, Nanotechnologies - Testing of the photocatalytic activity of nanoparticles for NADH oxidation - 12/7/2018, \$88.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 20031, Radiological protection - Monitoring and dosimetry for internal exposures due to wound contamination with radionuclides - 2/7/2019, \$98.00

ISO/DIS 13304-2, Radiological protection - Minimum criteria for electron paramagnetic resonance (EPR) spectroscopy for retrospective dosimetry of ionizing radiation - Part 2: ex vivo human tooth enamel dosimetry - 2/7/2019, \$88.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 11551, Optics and photonics - Lasers and laser-related equipment - Test method for absorbance of optical laser components - 12/7/2018, \$67.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 27065/DAmD1, Protective clothing - Performance requirements for protective clothing worn by operators applying pesticides and for re-entry workers - Amendment 1: Surrogate test chemical - 2/10/2019, \$40.00

ISO/DIS 21942, Station uniform for firefighters - 2/7/2019, \$58.00

PLASTICS (TC 61)

ISO/DIS 23153-1, Plastics - Polyetheretherketone (PEEK) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 2/14/2019, \$40.00

ISO/DIS 23153-2, Plastics - Polyetheretherketone (PEEK) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 2/14/2019, \$40.00

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

ISO/DIS 7685, Glass-reinforced thermosetting plastics (GRP) pipes - Determination of initial ring stiffness - 12/16/2018, \$46.00

ISO/DIS 21138-1, Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 1: Material specification and performance criteria for pipes, fittings and the system - 2/11/2019, \$71.00

ROAD VEHICLES (TC 22)

ISO/DIS 21058, Road vehicles - Dimethyl Ether (DME) refuelling connector - 2/10/2019, \$82.00

ISO/DIS 21956, Road vehicles - Ergonomics aspects of transport information and control systems - Human machine interface specifications for keyless ignition systems - 2/9/2019, \$53.00

ISO/DIS 13400-2, Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 2: Transport protocol and network layer services - 2/8/2019, \$155.00

ISO/DIS 14229-8, Road vehicles - Unified diagnostic services (UDS) - Part 8: USD on Clock eXtension Peripheral Interface (UDSonCXPI) - 2/8/2019, \$125.00

ISO/DIS 21782-6, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 6: Operating load testing of motor and inverter - 12/13/2018, \$88.00

ISO/DIS 22760-1, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 1: General requirements and definitions - 2/9/2019, \$46.00

ISO/DIS 22760-2, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 2: Performance and general test methods - 2/9/2019, \$58.00

ISO/DIS 20766-10, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 10: Gas-tight housing - 2/10/2019, \$40.00

ISO/DIS 20766-11, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 11: Shut-off valve - 2/10/2019, \$40.00

ISO/DIS 20766-12, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 12: Non-return valve - 2/10/2019, \$40.00

ISO/DIS 20766-20, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 20: Filter unit - 2/10/2019, \$40.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 21562, Ships and marine technology - Bunker fuel mass flow meters on receiving vessel - Requirements - 2/8/2019, \$58.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO 14488/DAmD1, Particulate materials - Sampling and sample splitting for the determination of particulate properties - Amendment 1 - 2/3/2019, \$40.00

ISO/DIS 13320, Particle size analysis - Laser diffraction methods - 2/2/2019, \$134.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 1018, Hard coal - Determination of moisture-holding capacity - 12/14/2018, \$29.00

ISO/DIS 18806, Solid mineral fuels - Determination of Chlorine content - 2/14/2019, \$53.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 20539, Translation, interpreting and related technology - Vocabulary - 2/11/2019, \$77.00

TEXTILES (TC 38)

ISO/DIS 3071, Textiles - Determination of pH of aqueous extract - 12/16/2018, \$40.00

ISO/DIS 1833-9, Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate with certain other fibres (method using benzyl alcohol) - 2/14/2019, \$33.00

ISO/DIS 1833-13, Textiles - Quantitative chemical analysis - Part 13: Mixtures of certain chlorofibres with certain other fibres (method using carbon disulfide/acetone) - 2/14/2019, \$40.00

ISO/DIS 1833-14, Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate with certain chlorofibres (method using glacial acetic acid) - 2/14/2019, \$33.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 22947, Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke under intense smoking conditions - NDIR method - 12/7/2018, \$46.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 5681, Equipment for crop protection - Vocabulary - 12/28/2015, \$107.00

VALVES (TC 153)

ISO/DIS 5209, General purpose industrial valves - Marking - 2/10/2019, \$40.00

ISO/DIS 22109, Industrial valves - Gearbox for valves - 2/10/2019, \$58.00

WATER QUALITY (TC 147)

ISO/DIS 21675, Water quality - Determination of polyfluorinated alkyl substances (PFAS) in water - Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS) - 12/7/2018, \$112.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 10863, Non-destructive testing of welds - Ultrasonic testing - Use of time-of-flight diffraction technique (TOFD) - 12/15/2018, \$107.00

ISO/DIS 17927-2, Welding for aerospace applications - Fusion welding of metallic components - Part 2: Acceptance criteria - 2/10/2019, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29192-2/DAMd2, Information technology - Security techniques - Lightweight cryptography - Part 2: Block ciphers - Amendment 2: LEA - 12/13/2018, \$71.00

ISO/IEC DIS 7810, Identification cards - Physical characteristics - 2/8/2019, \$53.00

ISO/IEC DIS 23681, Information technology - Self-contained Information Retention Format (SIRF) Specification - 12/10/2018, \$112.00

OTHER

ISO/IEC DGuide 59, Recommended practices for standardization by national bodies of ISO and IEC - 1/14/2019, \$68.00

ISO/IEC DGuide 76, Development of service standards - Recommendations for addressing consumer issues - 1/7/2019, \$68.00

IEC Standards

C/2170/DV, ISO/IEC Draft Guide 59, Recommended practices for standardization by national bodies of ISO and IEC, 2019/3/15

2/1938/CD, IEC 60034-7 ED3: Rotating electrical machines - Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code), 2019/2/15

8/1508/NP, PNW TS 8-1508: IEC/TS 62786-41 - Distributed energy resources connection with the grid - Part 41: Requirements for frequency measurement used to control DER and loads, /2018/12/2

31/1437/DC, Draft interpretation sheet - IEC 60079-28:2016 (Ed.1) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation, 019/1/4/

31/1436/DC, Draft interpretation sheet - IEC 60079-28:2015 (Ed.2) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation, 019/1/4/

36/436/NP, PNW TS 36-436: Fiber optical bushings for a.c. voltage greater than 1 000 v and d.c. voltage greater than 1 500 v - Definitions, test methods and acceptance criteria, 2019/2/15

46/711/CD, IEC TS 62153-4-1/AMD1 ED1: Metallic communication cable test methods - Part 4-1: Electromagnetic compatibility (EMC) - Introduction to electromagnetic screening measurements - Amendment 1: Mixed mode S-Parameter, 2019/2/15

46/712/CD, IEC 62153-4-15 ED2: Metallic communication cable test methods - Part 4-15: Electromagnetic compatibility (EMC) - Test method for measuring transfer impedance and screening attenuation for coupling attenuation with triaxial cell, 2019/2/15

46/709/CD, IEC 62153-4-10/AMD1 ED2: Metallic communication cable test methods - Part 4-10: Electromagnetic compatibility (EMC) - Transfer impedance and screening attenuation of feed-throughs and electromagnetic gaskets - Double coaxial test method - Amd1 Annex D Measurement of the transfer impedance of conductive gaskets with controlled contact pressure, 2019/2/15

46/710/CD, IEC 62153-4-9/AMD1 ED2: Metallic communication cable test methods - Part 4-9: Electromagnetic compatibility (EMC) - Coupling attenuation of screened balanced cables, triaxial method - Amendment 1: Measuring the screening effectiveness of unscreened single or multiple balanced pairs, 2019/2/15

51/1247/CDV, IEC 61333 ED2: Marking on ferrite cores, 2019/2/15

62A/1302/CD, IEC 80001-1 ED2: Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software - Part 1: Application of risk management, 2019/2/15

62D/1653/FDIS, ISO 80369-3/AMD1 ED1: Amendment 1 - Small-bore connectors for liquids and gases in healthcare applications - Part 3: Connectors for enteral applications, 019/1/4/

65A/904/CD, IEC 61326-2-1 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications, 2019/2/15

65A/907/CD, IEC 61326-2-4 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9, 2019/2/15

65A/908/CD, IEC 61326-2-5 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1, 2019/2/15

65A/906/CD, IEC 61326-2-3 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning, 2019/2/15

65A/903/CD, IEC 61326-2-6 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment, 2019/2/15

65A/902/CD, IEC 61326-1 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements, 2019/2/15

65A/905/CD, IEC 61326-2-2 ED3: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems, 2019/2/15

66/684/FDIS, IEC 61010-2-091 ED2: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -091: Particular requirements for cabinet X-ray systems, 019/1/4/

85/663/FDIS, IEC 60051-9 ED5: Direct acting indicating analogue electrical measuring instruments and their accessories - Part 9: Recommended test methods, 019/1/4/

86A/1905/CD, IEC TR 62959-1 ED1: Optical fibre cables - Part 1: Cable shrinkage - Guidance, 2019/3/15

86C/1565/CD, IEC 62148-6 ED2: Fibre optic active components and devices - Package and interface standards - Part 6: ATM-PON transceivers, 2019/2/15

86C/1566/CD, IEC 62149-11 ED1: Fibre optic active components and devices - Performance standards - Part 11: Multiple channel transmitter/receiver chip scale package with multimode fibre interface, 2019/2/15

86C/1563/CD, IEC 61290-1-1 ED4: Optical amplifiers - Test methods - Part 1-1: Power and gain parameters - Optical spectrum analyzer method, 2019/2/15

86C/1564/CD, IEC 61280-4-5 ED1: Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces, 2019/2/15

- 87/706/CD, IEC 62127-1 ED2: Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz, 2019/1/18
- 91/1551/NP, PNW 91-1551: Device Embedding assembly technology - Part 2-601: Guide line - Evaluation method of electrical connectivity, 2019/1/18
- 95/402/FDIS, IEC 60255-181 ED1: Measuring relays and protection equipment - Part 181: Functional requirements for frequency protection, 019/1/4/
- 100/3157/CDV, IEC 62680-1-5 ED1: Universal serial bus interfaces for data and power - Part 1-5: Common components - USB Audio 3.0 Device Class Definition, 2019/2/15
- 100/3158/CDV, IEC 62680-1-6 ED1: Universal serial bus interfaces for data and power - Part 1-6: Common components - USB Audio 3.0 Device Class Definition Basic Functions, 2019/2/15
- 100/3159/CDV, IEC 62680-1-7 ED1: Universal serial bus interfaces for data and power - Part 1-7: Common components - USB Audio 3.0 Device Class Definition Data Formats, 2019/2/15
- 100/3160/CDV, IEC 62680-1-8 ED1: Universal serial bus interfaces for data and power - Part 1-8: Common components - USB Audio 3.0 Device Class Definition Terminal Types, 2019/2/15
- 110/1061/NP, PNW 110-1061: Future IEC 63211-3-5: Durability test methods for electronic displays - Part 3-5: Mechanical tests - Surface durability, 2019/1/18
- 110/1062/NP, PNW 110-1062: Future IEC 62977-3-7: Electronic displays - Part 3-7: Evaluation of optical performances - Gamma and tone, 2019/1/18
- 121/43/CD, IEC TS 63058 ED1: Environmental aspects for Low-Voltage Switchgear and Controlgear and their assemblies, 2019/2/15
- 121A/248/CDV, IEC 60947-3 ED4: Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units, 2019/2/15
- CIS/H/381/CD, IEC 61000-6-8 ED1: Electromagnetic compatibility (EMC) - Part 6-8: Generic standards - Emission standard for equipment in commercial and light-industrial locations, 2019/2/15



Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

[ISO 20189:2018](#), Acoustics - Screens, furniture and single objects intended for interior use - Rating of sound absorption and sound reduction of elements based on laboratory measurements, \$162.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 15151:2018](#), Milk, milk products, infant formula and adult nutritionals - Determination of minerals and trace elements - Inductively coupled plasma atomic emission spectrometry (ICP-AES) method, \$138.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

[ISO 81060-2:2018](#), Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type, \$185.00

ANALYSIS OF GASES (TC 158)

[ISO 14167:2018](#), Gas analysis - General quality aspects and metrological traceability of calibration gas mixtures, \$138.00

BUILDING CONSTRUCTION (TC 59)

[ISO 16739-1:2018](#), Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries - Part 1: Data schema, \$232.00

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

[ISO 20184-1:2018](#), Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 1: Isolated RNA, \$138.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 21153:2018](#), Corrosion of metals and alloys - Measurement of environmentally assisted small crack growth rate, \$103.00

FLUID POWER SYSTEMS (TC 131)

[ISO 16589-1/Amd1:2018](#), Rotary shaft lip-type seals incorporating thermoplastic sealing elements - Part 1: Nominal dimensions and tolerances - Amendment 1, \$19.00

FREIGHT CONTAINERS (TC 104)

[ISO 1496-2:2018](#), Series 1 freight containers - Specification and testing - Part 2: Thermal containers, \$185.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 20294:2018](#), Graphic technology - Quantification and communication for calculating the carbon footprint of e-media, \$162.00

GUIDANCE ON UNIT PRICING (TC 294)

[ISO 21041:2018](#), Guidance on unit pricing, \$103.00

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

[ISO 20088-3:2018](#), Determination of the resistance to cryogenic spillage of insulation materials - Part 3: Jet release, \$138.00

PACKAGING (TC 122)

[ISO 21976:2018](#), Packaging - Tamper verification features for medicinal product packaging, \$103.00

PLASTICS (TC 61)

[ISO 20337:2018](#), Fibre-reinforced plastic composites - Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus, \$68.00

PROJECT COMMITTEE: ASSET MANAGEMENT (TC 251)

[ISO 55002:2018](#), Asset management - Management systems - Guidelines for the application of ISO 55001, \$209.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

[ISO 5289:2018](#), Agricultural machinery - Endless hexagonal belts and groove sections of corresponding pulleys, \$68.00

SOLID MINERAL FUELS (TC 27)

[ISO 11760:2018](#), Classification of coals, \$68.00

TEXTILES (TC 38)

[ISO 20932-1:2018](#), Textiles - Determination of the elasticity of fabrics - Part 1: Strip tests, \$103.00

[ISO 20932-2:2018](#), Textiles - Determination of the elasticity of fabrics - Part 2: Multiaxial tests, \$103.00

[ISO 20932-3:2018](#), Textiles - Determination of the elasticity of fabrics - Part 3: Narrow fabrics, \$103.00

ISO Technical Specifications

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

[ISO/TS 15874-7:2018](#), Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 7: Guidance for the assessment of conformity, \$103.00

[ISO/TS 15875-7:2018](#), Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 7: Guidance for the assessment of conformity, \$103.00

[ISO/TS 15876-7:2018](#), Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 7: Guidance for the assessment of conformity, \$103.00

[ISO/TS 15877-7:2018](#), Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 7: Guidance for the assessment of conformity, \$103.00

[ISO/TS 22391-7:2018](#), Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 7: Guidance for the assessment of conformity, \$103.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30118-1:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 1: Core specification, \$232.00

[ISO/IEC 30118-2:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 2: Security specification, \$232.00

[ISO/IEC 30118-3:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 3: Bridging specification, \$209.00

[ISO/IEC 30118-4:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 4: Resource type specification, \$232.00

[ISO/IEC 30118-5:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 5: Smart home device specification, \$103.00

[ISO/IEC 30118-6:2018](#), Information technology - Open Connectivity Foundation (OCF) Specification - Part 6: Resource to AllJoyn interface mapping specification, \$232.00

[ISO/IEC 14496-14:2018](#), Information technology - Coding of audio-visual objects - Part 14: MP4 file format, \$103.00

IEC Standards

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

[IEC 63033-2 Ed. 1.0 b:2018](#), Car multimedia systems and equipment - Drive monitoring system - Part 2: Recording methods of the drive monitoring system, \$47.00

ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)

[IEC 60721-2-7 Ed. 2.0 b:2018](#), Classification of environmental conditions - Part 2-7: Environmental conditions appearing in nature - Fauna and flora, \$82.00

[IEC 60721-3-2 Ed. 3.0 b cor.1:2018](#), Corrigendum 1 - Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and handling, \$0.00

LIGHTNING PROTECTION (TC 81)

[IEC 62793 Ed. 1.0 b:2016](#), Protection against lightning - Thunderstorm warning systems, \$281.00

MAGNETIC ALLOYS AND STEELS (TC 68)

[IEC 60404-9 Ed. 2.0 b:2018](#), Magnetic materials - Part 9: Methods of determination of the geometrical characteristics of electrical steel strip and sheet, \$117.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

[IEC 62885-3 Ed. 1.0 b:2014](#), Surface cleaning appliances - Part 3: Wet carpet cleaning appliances - Methods for measuring the performance, \$164.00

[IEC 62885-5 Ed. 1.0 b:2018](#), Surface cleaning appliances - Part 5: High pressure cleaners and steam cleaners for household and commercial use - Methods for measuring performance, \$82.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-76 Ed. 3.0 en cor.1:2018](#), Corrigendum 1 - Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers, \$0.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 63011-1 Ed. 1.0 b:2018](#), Integrated circuits - Three dimensional integrated circuits - Part 1: Terminology, \$82.00

[IEC 63011-2 Ed. 1.0 b:2018](#), Integrated circuits - Three dimensional integrated circuits - Part 2: Alignment of stacked dies having fine pitch interconnect, \$82.00

[IEC 63011-3 Ed. 1.0 b:2018](#), Integrated circuits - Three dimensional integrated circuits - Part 3: Model and measurement conditions of through-silicon via, \$82.00

IEC Technical Reports

ELECTROSTATICS (TC 101)

[IEC/TR 61340-5-5 Ed. 1.0 en:2018](#), Electrostatics - Part 5-5: Protection of electronic devices from electrostatic phenomena - Packaging systems used in electronic manufacturing, \$235.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Portable Generator Manufacturers Association (PGMA)

The reaccreditation of the Portable Generator Manufacturers Association (PGMA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on PGMA-sponsored American National Standards, effective November 26, 2018. For additional information, please contact: Mr. Joseph Harding, Technical Director, Portable Generator Manufacturers Association, 1300 Sumner Avenue, Cleveland, OH 44115-2851; phone: 216.241.7333, ext. 7721; e-mail: jharding@thomasamc.com.

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Initial Accreditation

DNV GL

Comment Deadline: December 30, 2018

In accordance with the following standard: ISO 14065:2013, Greenhouse Gases - Requirements for Greenhouse Gas Validation and Verification Bodies for Use in Accreditation or Other Forms of Recognition

DNV GL

Shruthi Bachamanda
1400 Ravello Drive
Katy, TX 77449
Phone: 416-407-5210
E-mail: Shruthi.Poonacha@dnvgl.com

On November 19, 2018, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee approved initial accreditation for DNV GL for the following:

Activity and Scopes:

Verification of assertions related to GHG emissions and removals at the organizational level

01. General
02. Manufacturing
03. Power generation

Please send your comments by December 30, 2018 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 34/SC 18 – Cocoa

ANSI has been informed that American Oil Chemists Society (AOCS), the ANSI-accredited U.S. TAG Administrator for ISO/TC 34/SC 18, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 34/SC 18 operates under the following scope:

Standardization in the field of cocoa, including, but not limited to, terminology, sampling, product specifications, test methods, and requirements and verification criteria for determination of the sustainability and traceability of cocoa respectively.

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

New Secretariats

ISO/TC 215 – Health informatics

Comment Deadline: December 7, 2018

The U.S. TAG to ISO/TC 215 has requested to delegate the responsibilities of the administration of the ISO/TC 215 secretariat to ANSI. The secretariat was previously held by the American Health Information Management Association (AHIMA) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 215 operates under the following scope:

Standardization in the field of health informatics, to facilitate capture, interchange and use of health-related data, information, and knowledge to support and enable all aspects of the health system.

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

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 86/SC 6 – *Testing and Rating of Air-Conditioners and Heat Pumps*

Reply Deadline: December 2, 2018

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 86/SC 6 – *Testing and rating of air-conditioners and heat pumps*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 86/SC 6 to the Air-Conditioning, Heating and Refrigeration Institute (AHRI). AHRI has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 86/SC 6 operates under the following scope:

Development of standards regarding the testing and rating of air-conditioners and heat pumps within the scope of ISO/TC 86:

Standardization in the fields of refrigeration and air-conditioning, including terminology, mechanical safety, methods of testing and rating equipment, measurement of sound levels, refrigerant and refrigeration lubricant chemistry, with consideration given to environmental protection. The scope includes factory-assembled air-conditioners (cooling), heat pumps, dehumidifiers, refrigerants, and refrigerant reclaiming and recycling equipment as well as other devices, components and equipment such as humidifiers, ventilation equipment and automatic controls used in air-conditioning and refrigeration systems that are not covered by other ISO technical committees.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 86/SC 6. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 86/SC 6 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by December 2, 2018, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).



BSR/ASHRAE Standard 23.1-2010R

Public Review Draft

Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant

Third Public Review (November 2018)

(Draft Shows Proposed **Independent Substantive Changes to Previous Public Review Draft)**

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

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

23.1-2010R ISC Publication Public Review Draft, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units That Operate at Subcritical Pressures of the Refrigerant

Background. The first 23.1-2010R full public review (PPR1) that ended on April 17, 2017, had no public review comments.

In May 2017, one of the 23.1-2010R voting members discovered that a key section was inadvertently omitted from the 23.1-2010R PPR1 draft. A 23.1-2010R Independent Substantive Change (ISC) Publication Public Review (PPR) draft was prepared to correct that error of omission. The ISC public review (ISC1) that ended on October 15, 2017, had no public review comments.

Since then, ASHRAE editors and publication staff have begun the publication process for 23.1-2018. However, one of the 23.1-2010R voting members has discovered that several equations contain unit conversion errors and that a variable was inadvertently omitted from one equation. Correcting these equations is the subject of this 23.1-2010R ISC2 PPR draft.

Note that in this 23.1-2010R ISC2 PPR draft, changes to 23.1-2010R PPR1 draft are indicated in the text by underlining for additions, and by ~~striketrough~~ for deletions.

Equation 5-5b has been corrected as shown below:

$$\eta = \frac{[\dot{m}_1(h_{3s} - h_2)]}{P} \times 29.31$$

$$\eta = \frac{[\dot{m}_1(h_{3s} - h_2)]}{P} \times 0.02931$$

Equation 5-6b has been corrected as shown below:

$$\eta = \frac{[\sum_{i=1}^{NS} \dot{m}_i(h_{3is} - h_{2is})]}{P} \times 29.31$$

$$\eta = \frac{[\sum_{i=1}^{NS} \dot{m}_i(h_{3is} - h_{2is})]}{P} \times 0.02931$$

Equation 5-7b has been corrected as shown below:

$$\eta = \frac{[\dot{m}_1(h_{31s} - h_{21s}) + \dot{m}_2(h_{32s} - h_{22s})]}{P} \times 29.31$$

$$\eta = \frac{[\dot{m}_1(h_{31s} - h_{21s}) + \dot{m}_2(h_{32s} - h_{22s})]}{P} \times 0.02931$$

Equation 5-11b has been corrected as shown below:

$$\eta = \frac{[\dot{m}_1(h_{31s} - h_{21s}) + \dot{m}_2(h_{32s} - h_{22s})]}{P} \times 29.31$$

$$\eta = \frac{[\dot{m}_1(h_{31s} - h_{21s}) + \dot{m}_2(h_{32s} - h_{22s})]}{P} \times 0.02931$$

The SI unit for capacity in Equation 5-15 has been corrected as shown below:

$$Q = \dot{m}_1(h_2 - h_1) \quad (5-15)$$

where

Q = capacity of a UUT at the specified operating conditions, kW (Btu/h)

BSR/ASHRAE Standard 23.1-2010R, *Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant*
Third (ISC) Public Review Draft

Equation 5-20b has been corrected as shown below:

$$\eta_v = \frac{(\dot{m})(v)}{(V)(N)} \times 28.8$$

$$\eta_v = \frac{(\dot{m})(v)}{(V)(N)} \times 2880$$

Equation 5-21b has been corrected as shown below:

$$\eta_v = \frac{(\dot{m})(v)}{(V_{max})(f)} \times 48$$

$$\eta_v = \frac{(\dot{m})(v)}{(V_{max})(f)} \times 48$$

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

NSF/ANSI Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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Annex G (normative)

Test methods for the evaluation of flow-through chemical feeding equipment

NOTE — The test conditions specified in this Annex are not intended to represent recommended field use conditions.

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-
-

G.3 Uniformity of output test

G.3.1 Purpose

The purpose of this test is to determine the amount of chemical delivered by a flow-through chemical feeder in order to verify the delivery rates claimed by the manufacturer.

G.3.2 Apparatus

- pH-indicating device accurate to ± 0.1 ;
- temperature-indicating device accurate to ± 2 °F (± 1 °C);
- tank with a supply pump;
- titration device accurate to $\pm 1\%$ of reading, (if none is commercially available with this accuracy, the method inaccuracy shall be included in the tolerance of the output rate);
- timing device accurate to $\pm 1\%$ over test duration; and

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— flow meter accurate to $\pm 2\%$.

G.3.3 Test waters

temperature	swimming pools	$80 \pm 3^{\circ}\text{F}$ ($27 \pm 2^{\circ}\text{C}$)
	spas	$102 \pm 5^{\circ}\text{F}$ ($39 \pm 3^{\circ}\text{C}$)
pH	pools/spas	Ca, Na, Li – hypochlorites: pH 7.2-7.6 ISOs: pH 7.2-7.8
alkalinity	pools/spas	Ca, Na, Li – hypochlorites: 60-100 ppm (CaCO_3) ISOs: 80-120 ppm (CaCO_3)
hardness	pools/spas	200-400 ppm (CaCO_3)
combined chlorine	pools/spas	< 0.2 ppm
ammonia	pools/spas	< 0.04 ppm (as N)

Rationale – the “.8” appears to have been left off the ballot that originally incorporated this language into the standard.

G.3.4 Uniformity of output test method for feeder settings resulting in more than 5.0 lbs/d (2.27 kg/d) output

G.3.4.1 Method

NOTE — The method described here is primarily intended for the testing of basic erosion-type flow-through chemical feeders. Some modification may be required when evaluating differing types of flow-through chemical feeder designs. However, the intent of the method shall be maintained when these modifications are made.

- a) Install the flow-through chemical feeder in accordance with the manufacturer's instructions, with its influent connected to the discharge side of the supply pump and its effluent directed to drain. Position a flow meter in line with the feeder.
- b) Fill the tank with water conditioned to parameters specified in Section G.3.3. Fill the feeder with the maximum amount of recommended chemicals.
- c) Condition the feeder in accordance with the manufacturer's instructions or for $10 \text{ min} \pm 30 \text{ s}$, whichever is greater by running the appropriate test water through the feeder at the maximum (100%) output rate control mechanism setting.
- d) Allow the feeder to operate at the maximum output rate control mechanism setting for $1 \text{ h} \pm 6 \text{ min}$. Sample both the influent and the effluent from the feeder and determine the concentration of active chemical being dispensed after the 1 h conditioning period. This sample will provide the first of five sample points used to determine repeatability.
- e) Continue operating the feeder at the maximum output rate control mechanism setting, and sample both the influent and the effluent of the feeder four times so that each sample is taken at a 5 min interval. Determine the concentration of the active chemical in each influent and effluent sample. These data shall be used to determine repeatability.
- f) Repeat d) and e) at 50% of the output rate control mechanism setting.
- g) Calculate the net output concentration at each sampling interval by subtracting the influent concentration from the effluent concentration. Convert the net output concentration to the units with

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which the manufacturer specifies the output rate for the feeder.

h) Calculate the average output rate \bar{r} for both the 50% and 100% tests.

i) Calculate the individual sample variance (δ_i) of each output rate from the average output rate (\bar{r}) for the 50% and 100% tests, where:

$$\text{Individual Sample Variance} = \delta_i = \left[\frac{r_i - \bar{r}}{\bar{r}} \right] \times 100\%$$

j) Calculate the average of the absolute values of the variances from average (δ_i), where

$$\text{Average Absolute Variance} = \Delta = \sum \frac{\text{abs}(\delta_i)}{5}$$

Do this for both the 50% and 100% tests.

Example:

Results	Variance from average 1105 g/hr
sample 1: 984 g/hr	- 11.0%
sample 2: 1135 g/hr	+ 2.71%
sample 3: 1081 g/hr	- 2.17%
sample 4: 1189 g/hr	+ 7.60%
sample 5: 1135 g/hr	+ 2.71%
Average variance = (11.0 + 2.71 + 2.17 + 7.60 + 2.71) / 5 = 4.24	

G.3.4.2 Acceptance criteria

$$\text{Average Absolute Variance} = \Delta = \frac{\sum \text{abs}(\delta_i)}{5} \text{ and } \Delta \leq 10\%$$

G.3.4.2.1 At each test setting of the output rate control mechanism, individual output rates shall be within $\pm 20\%$ of the manufacturer's claim r_{claimed} , where:

$$\text{Individual Sample Output Deviation} = \varepsilon_i = \left[\frac{r_i - r_{\text{claimed}}}{r_{\text{claimed}}} \right] \times 100\% \text{ and } \varepsilon_i \leq \pm 20\%$$

G.3.4.2.2 Individual output rates shall be within $\pm 10\%$ of the average of all taken at a test setting where:

$$\text{Individual Sample Variance} = \delta_i = \left[\frac{r_i - \bar{r}}{\bar{r}} \right] \times 100\% \text{ and } \delta_i \leq \pm 20\%$$

G.3.4.2.3 The average variance at 50% and 100% shall be $\leq 10\%$ where:

$$\text{Average Absolute Variance} = \Delta = \frac{\sum \text{abs}(\delta_i)}{5} \text{ and } \Delta \leq 10\%$$

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G.3.5 Uniformity of output test method for feeder settings resulting in less than 5.0 lbs/d (2.27 kg/d) output

G.3.5.1 Method

- a) Install the flow-through chemical feeder in accordance with the manufacturer's instructions, with its influent connected to the discharge side of the recirculating pump and its effluent connecting back to the supply tank. Position a flow meter in line with the feeder.
- b) Fill the tank with water conditioned to parameters specified in Section G.3.3. Fill the feeder with the maximum amount of recommended chemicals.
- c) Disconnect the effluent line from the feeder and direct it to drain during conditioning. Condition the feeder in accordance with the manufacturer's instructions or for 10 min \pm 30 s, whichever is greater by running the appropriate test water through the feeder at 100% of the maximum output rate control mechanism setting. Reconnect the effluent line to the tank.
- d) Collect an initial control sample from the tank.
- e) Allow the feeder to operate at 100% of the maximum output rate control mechanism setting for 30 min \pm 3 min. Collect an effluent sample from the tank and determine the concentration of free chlorine (ppm).
- f) Continue to collect one output sample at each additional 30 min \pm 3 min for a total of 3 h.
- g) Repeat steps d), e), and f) at 50% of the maximum output rate control mechanism setting.
- h) Calculate the net increase in concentration (ppm) per hour for each sample point.
- i) Interpolate the output rate after 24 h. Convert the net output concentration to the units with which the manufacturer specifies the output rate for the feeder.

G.3.5.2 Acceptance criteria

At each test setting of the output rate control mechanism, individual output rates shall be within \pm 20% of the manufacturer's claim.

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NSF/ANSI Standard For Wastewater Technology –

Onsite residential and commercial water reuse treatment systems

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8 Performance testing and evaluation

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

8.6.1.2 When the 30-day average or geometric mean concentration of one or more individual influent parameters are less than the required minimum value, individual data days may be excluded to bring the 30-day period within range. When influent data is excluded from the averages, all influent and effluent data from that day shall also be excluded. All data exclusions shall be noted in the final report.

8.6.1.23 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.

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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).

8.6.1.34 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. When the minimum number of data days is not met, additional sampling days shall be added to the normal required test period until the 2/3 minimum is met. When adding additional sample days is not enough or not possible, the test shall be extended until the 2/3 minimum has been met.

8.6.1.45 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. When the minimum number of data days is not met during stress loading and recovery, individual stress events (including stress recovery) shall be repeated until these minimum requirements have been met. When selecting which stress events to repeat, the event with the fewest number of valid data days shall be selected first, followed by the events with the next fewest number of valid data days until minimum requirements for number of valid samples have been met.

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NSF International Standard / American National Standard –

Drinking Water Treatment Units – Emerging Compounds / Incidental Contaminants

8 Instruction and information

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8.4 Performance data sheet

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Table 8.1 – Performance data sheet reduction claims

Substance	CAS Number	Influent challenge concentration (ng/L)	Maximum permissible product water concentration (ng/L)
atenolol	29122-68-7	200 ± 20%	60 30
bisphenol A	80-05-7	2,000 ± 20%	300
carbamazepine	298-46-4	1,400 ± 20%	200
DEET (diethyltoluamide)	134-62-3	1,400 ± 20%	200
estrone	53-16-7	140 ± 20%	20
ibuprofen	15687-27-1	400 ± 20%	60
linuron	330-55-2	140 ± 20%	20
meprobamate	57-53-4	400 ± 20%	60
metolachlor	51218-45-2	1,400 ± 20%	200
naproxen	22204-53-1	140 ± 20%	20
nonyl phenol	25154-52-3	1,400 ± 20%	200
phenytoin	57-41-0	200 ± 20%	30
TCEP (tris(2-chloroethyl)phosphate)	115-96-8	5,000 ± 20%	700
TCPP (tris(1-chloro-2-propyl)phosphate)	13674-84-5	5,000 ± 20%	700
trimethoprim	738-70-5	140 ± 20%	20

Rational: During the creation of the issue paper for issue 6 (addition of CAS Numbers) in 2016, the level was inadvertently changed. This ballot corrects the level of atenolol back to 30 ng/L.

BSR/UL 1069, Standard for Safety for Hospital Signaling and Nurse Call Equipment

1. Revision to include Real Time Location System (RTLS) integration requirements

2.2.13 Calls initiated by fundamental NCS equipment may only be cancelled at the originating patient care area or room of origin. The following means of call cancellation shall be permitted:

- a) When two or more stations are located in the same area and all are visible from any call location, the call event may be canceled at any station in the same area.
- b) A routine call may be canceled remotely if two-way audio communication has been established, with the end-to-end connection verified prior to hang-up, between the calling patient care area or room of origin and the remote location.
- c) A code call or an emergency call annunciated on a Portable Nurse Control Station must be canceled by an action separate and unique from terminating communication.
- d) A routine call may be canceled upon detection of staff presence in the patient care area or room of origin by a Real Time Location System (RTLS).

3.78A REAL TIME LOCATION SYSTEM (RTLS) - A supplemental system consisting of tags, sensors and wired or wireless hardware to automatically identify and track the location of objects or people in real time within a contained area.