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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: January 21, 2018

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

New Standard

BSR/ASHRAE Standard 209P-201x, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings (new standard)

The purpose of ASHRAE Standard 209P is to define minimum requirements for providing energy design assistance using building energy simulation and analysis.

[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 2-201x (i27r1), Food Equipment (revision of ANSI/NSF 2-2015)

Equipment covered by this Standard includes, but is not limited to, bakery, cafeteria, kitchen, and pantry units and other food handling and processing equipment such as tables and components, counters, hoods, shelves, and sinks.

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

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 14-201x (i88r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016b)

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

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

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

NSF (NSF International)

Revision

BSR/NSF 40-201x (i31r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2013)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

[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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i92r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

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

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i134r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)

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

NSF (NSF International)

Revision

BSR/NSF 245-201x (i12r2), Wastewater treatment systems - Nitrogen reduction (revision of ANSI/NSF 245-2013)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

[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

NSF (NSF International)

Revision

BSR/NSF 350-201x (i26r2), Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017)

This Standard contains minimum requirements for onsite residential and commercial graywater treatment systems. Systems may include Graywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial graywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility graywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity.

[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

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

BSR/UL 60947-7-4-201x, Standard for safety for low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (national adoption with modifications of IEC 60947-7-4)

(1) Revision to Clause 3 of the proposed first edition of the Standard for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment - PCB Terminal Blocks for Copper Conductors, UL 60947-7-4.

[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

UL (Underwriters Laboratories, Inc.)***New Standard***

BSR/UL 8139-201x, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices (new standard)

This proposed first edition of the Standard for Electrical Systems of Electronic Cigarettes and Vaping Devices covers the battery-operated electrical systems that use liquid containing varying compositions of flavorings, propylene glycol, glycerin, and other ingredients, with or without nicotine, which is heated into an aerosol that the user inhales. The system includes the charging systems, components, parts and accessories. Not covered are the consumables, wicks, and other particulate matter inhaled during use or substances in the emissions from the operation of the devices. These requirements do not consider the physiological effects of any consumable used with the devices.

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

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.com

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

BSR/UL 1026-201X, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 12-22-17) (revision of ANSI/UL 1026-2017)

This recirculation proposal provides revisions to the UL 1026 proposal dated 2017-10-13.

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

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

Comment Deadline: February 5, 2018**AAFS (American Academy of Forensic Sciences)*****New Standard***

BSR/ASB BPR 010-201x, Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority (new standard)

The descriptions in this standard provide guidelines and best practices relevant to the role of forensic anthropology in a DVI operation. Anthropological methods, techniques, and principles are typically employed in five primary capacities: (1) during the Preplanning phase of a DVI operation, (2) the Search and Recovery and preservation of remains from a mass fatality incident, (3) at the Triage Station during the initial sorting of material gathered from the field and determination of what human tissue enters the morgue, (4) at the Anthropology Station collecting quality postmortem data from each morgue sample, and (5) as a member of the ID Reconciliation Team, focused on ensuring valid and reliable positive identifications from human tissues. Focus in this document will be primarily on the Triage Station and the Anthropology Station. Additional guidelines pertaining to Preplanning, Recovery, and the ID Reconciliation Team can be found elsewhere. DVI practitioners should adhere to the best practices identified in this document to the extent possible, practical, and appropriate. In the absence of specific guidelines, the principle, spirit, and intent of these guidelines should be met.

Single copy price: Free

Obtain an electronic copy from: <http://asb.aafs.org/>

Document will be provided electronically on AAFS Standards Board website free of charge.

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

ABMA (ASC B3) (American Bearing Manufacturers Association)***New National Adoption***

BSR ABMA/ISO 15242-4-201x, Rolling Bearings - Measuring Methods for Vibration - Part 4: Radial Cylindrical Roller Bearings with Cylindrical Bore and Outside Surface (identical national adoption of ISO 15242-4:2017)

Specifies vibration measuring methods for single-row and double-row radial cylindrical roller bearings with cylindrical bore and outside surface, under established measurement conditions.

Single copy price: \$85.00

Obtain an electronic copy from: info@americanbearings.org

Order from: info@americanbearings.org

Send comments (with copy to psa@ansi.org) to: jconverse1@nc.rr.com

API (American Petroleum Institute)***Reaffirmation***

BSR/API Spec 6A/ISO 10423-2010 (R201x), Specification for Wellhead and Christmas Tree Equipment (reaffirmation of ANSI/API Spec 6A/ISO 10423-2010)

This International Standard specifies requirements and gives recommendations for the performance, dimensional and functional interchangeability, design, materials, testing, inspection, welding, marking, handling, storing, shipment, purchasing, repair, and remanufacture of wellhead and Christmas tree equipment for use in the petroleum and natural gas industries.

Single copy price: \$200.00

Order from: www.techstreet.com

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASAE S354.7 MONYEAR-201x, Safety for Farmstead Equipment (revision and redesignation of ANSI/ASAE S354.6-NOV2016)

The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of farmstead equipment. This standard applies to powered farmstead equipment as defined in paragraph 3.1. This standard does not apply to agricultural field equipment nor to self-propelled mobile equipment such as motor vehicles, all-terrain vehicles, and skid-steer loaders. In addition, it does not apply to farmstead equipment covered by other ASABE safety standards unless it is specifically referenced by these standards.

Single copy price: \$61.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace, (269) 932-7009, brace@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Withdrawal

ANSI/ASAE S493.1-2003 (R2013), Guarding for Agricultural Equipment (withdrawal of ANSI/ASAE S493.1-2003 (R2013))

This Standard provides general guidelines for guarding for agricultural equipment so as to provide a reasonable degree of personal safety for operators and other persons during the normal operation and servicing of such equipment.

Single copy price: \$61.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace, (269) 932-7009, brace@asabe.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.111-201x, Penetration Testing within the Financial Services Industry (revision of ANSI X9.111-2011 (R2017))

This standard specifies recommended processes for conducting penetration testing with financial service organizations. This standard describes a framework for specifying, describing and conducting penetration testing, and then relating the results of the penetration testing. This standard allows an entity interested in obtaining penetration testing services to identify the objects to be tested, specify a level of testing to occur, and to set a minimal set of testing expectations. Included in this standard are:

- A conceptual framework for describing penetration testing, including:
 - * Roles and responsibilities of participants;
 - * Types of penetration test;
 - * A generalized penetration testing cycle;
 - * General testing methodologies/techniques;
 - * Limitations of penetration testing;
- Ranking of methodologies, bases of testing effort (testing levels);
- Engagement and scope of work considerations;
- Test report guidelines;
- Testing requirements:
 - * Security of the testing environment;
 - * General practices and methodologies;
- Tester expertise.

Single copy price: \$100.00

Obtain an electronic copy from: Ambria.Frazier@x9.org

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

ASNT (American Society for Nondestructive Testing)

New National Adoption

BSR/ASNT CP-106-201x, Nondestructive Testing- Qualification and Certification of Personnel (national adoption of ISO 9712: 2012 with modifications and revision of ANSI/ASNT CP-106-2008)

Provide a system for the qualification and certification of NDT personnel by third party certification bodies.

Single copy price: N/A

Obtain an electronic copy from: https://www.asnt.org/MajorSiteSections/NDT-Resource-Center/Codes_and_Standards/ASNT_Standards/ansi-asnt_cp-106/2017_public_review

Order from: N/A

Order from: N/A

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

ATIS (Alliance for Telecommunications Industry Solutions)

Withdrawal

ANSI ATIS 1000678.a.v2-2007 (R2013), Supplement A to ATIS 1000678.v2.2006 (R2013): Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (withdrawal of ANSI ATIS 1000678.a.v2-2007 (R2013))

This document is a supplement to ATIS 1000678.v2.2006 and provides clarifications, corrections, and enhancements.

Single copy price: \$145.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Withdrawal

ANSI ATIS 1000678.b.v2-2010 (R2013), Supplement B to ATIS 1000678.v2.2006 (R2013): Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (withdrawal of ANSI ATIS 1000678.b.v2-2010 (R2013))

This is a supplement to ATIS 1000678.v2.2006 (R2013), and provides clarifications, corrections and enhancements to ATIS 1000678.v2.2006 (R2013) and ATIS 1000678.a.v2.2007 (R2013).

Single copy price: \$220.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Withdrawal

ANSI ATIS 1000678.v2-2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks, Version 2 (withdrawal of ANSI ATIS 1000678.v2-2006 (R2013))

This standard defines the interfaces between a Telecommunication Service Provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance for Voice over Packet (VoP) Technologies in Wireline Telecommunications Networks.

Single copy price: \$415.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

AWS (American Welding Society)

Revision

BSR/AWS B2.1-1-027-201x, Standard Welding Procedure Specification (SWPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1 or P-1, Groups 1 and 2) 1/8 through 1/2 inch Thick, E71T-11, As-Welded Condition, Primarily Plate and Structural Applications (revision of ANSI/AWS B2.1-1-027-2011)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm], using self-shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$128.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWWA (American Water Works Association)

Revision

BSR/AWWA G400-201x, Utility Management Systems (revision of ANSI/AWWA G400-2009)

This standard covers the essential requirements for an effective utility management system.

Single copy price: Free

Obtain an electronic copy from: v david@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; v david@awwa.org

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

CSA (CSA Group)

New Standard

BSR/CSA NGV 6.1-201x, Integration of Natural Gas Vehicle Fuel Systems (new standard)

Standard for the design, installation, inspection, repair, and maintenance of a fuel storage and delivery system installed in an on-road vehicle for use with compressed natural gas (CNG). This includes a fuel system on a self-propelled vehicle for the provision of motive power.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

HPS (ASC N13) (Health Physics Society)

Revision

BSR N13.52-201x, Personnel Neutron Dosimeters (Neutron Energies Less than 20MeV) (revision of ANSI N13.52-1999 (R2010))

This standard is designed to provide guidance for routine personal neutron dosimetry. It is applicable for neutrons with energies ranging from thermal to values less than 20 MeV. This standard applies to devices worn by individuals as contrasted with handheld or fixed-area instrumentation. It does not apply to dosimetry necessary for extremity monitoring or for criticality accidents. This standard also includes factors governing the use of dosimeters for proper determination of the personal neutron dose equivalent.

Single copy price: \$50.00

Obtain an electronic copy from: nanjohns@verizon.net

Order from: Nancy Johnson, (703) 790-1745, nanjohns@verizon.net

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

MSS (Manufacturers Standardization Society)

Revision

BSR/MSS SP-58-201x, Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation (revision of ANSI/MSS SP-58-2009)

This Standard: (1) establishes the material, design, fabrication, and inspection criteria to be used in the manufacture of standard types of pipe hanger components; (2) establishes the allowable stress values for materials used in standard types of pipe support components and unique hanger design assemblies; (3) establishes minimum design load ratings for rigid pipe hanger assemblies; (4) presents the recommended practice for the selection and application of pipe hangers and supports for all service temperatures; and (5) establishes recommended procedures for detailing, fabrication, and installation of pipe hangers and supports. This is an update to the original April BSR-8 submission due to recent revisions. This 201x draft edition contains multiple editorial and formatting changes, new inclusions, and updates based on the prior ANSI consensus committee comments and subsequent proposals brought forward to the committee. Developed and maintained by MSS Technical Committee 403 (Current Committee Chair: J. Toy).

Single copy price: \$148.00

Obtain an electronic copy from: standards@msshq.org

Order from: Michelle Pennington, (703) 281-6613, Ext 101, mpennington@mss-hq.org

Send comments (with copy to psa@ansi.org) to: Robert O'Neill, (703) 281-6613, boneill@mss-hq.org

NECA (National Electrical Contractors Association)***New Standard***

BSR/NECA 781-201X, Recommended Practice for Installing and Maintaining Lightning Protection Systems (new standard)

This standard covers quality and performance criteria and best practices for lightning protection system design and installation for both new construction and existing structures. The basic components of lightning protection systems are covered as well as basic information related to lightning protection system design and system maintenance.

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

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

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

NSF (NSF International)***Revision***

BSR/NSF 53-201x (i108r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2016)

The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private). These substances are considered established or potential health hazards. They may be microbiological, chemical, or particulate (including filterable cysts) in nature.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=40484

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

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

BSR/SCTE 37-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-ROOTS Management Information Base (MIB) Definition (revision of ANSI/SCTE 37 2010)

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree. This document has been revised; see the Description in the syntax.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-1-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-PROPERTY-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-1-2009)

This document defines the "properties" that may be associated with each parameter in HMS MIBs.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-2-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-ALARMS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-2-2011)

This document defines the historical list of alarms detected by the transponder, as well as the SNMP trap generated for these alarms.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-3-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2012)

This document defines common information about NEs. This includes administrative information such as name, ID, model number, serial numbers vendor, and location; health indicators such as status and service state; and functional information such as power level and frequency range.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-4-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2012)

This document defines information commonly available from HFC power supplies. Its structure permits multiple power supplies to be monitored by a single transponder.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-5-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-FIBERNODE-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-5-2008)

This document defines information about HFC optical fiber nodes. This includes information about the functional parts of a standard HFC optical fiber node, such as optical receivers, optical transmitters, ports, and power supplies.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-6-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012)

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 38-7-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-Transponder Interface Bus (TIB)-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-7-2008)

This document contains information about the communications state of devices connected to the transponder, as well as indicating what device-specific MIB each device supports. These devices are typically connected to the transponder via a serial communications link (bus).

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/TAPPI T 536 om-201x, Resistance of paper to passage of air (high-pressure Gurley method) (new standard)

This method is used to measure the air resistance of approximately 6.4 sq. cm. (1 sq. in.) circular area of paper using a pressure differential of approximately 3 kPa. The recommended range of this instrument is for papers that require 10 or more seconds for 10 mL of air to pass through. Refer to the manufacturer's instructions for the upper range limits. For more permeable papers, other techniques are preferable. Instruments are available with automatic timing devices.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

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

BSR/TAPPI T 1210 sp-201x, Units of measurement and conversion factors (new standard)

This Standard Practice deals with the application of the International System of units (abbreviated "SI" or "SI metric units") within the field of pulp, paper, and paperboard. TAPPI regulations require the use of the SI units as the preferred units in TAPPI Test Methods and other TAPPI publications.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

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

BSR/TAPPI T 262 sp-2012 (R201x), Preparation of mechanical pulps for testing (reaffirmation of ANSI/TAPPI T 262 sp-2012)

This practice describes a procedure for the preparation of mechanical pulps prior to physical testing. It is for use with pressure groundwood, refiner mechanical, chemimechanical, thermomechanical, and chemithermomechanical pulps. It may also be used on any pulp sample taken downstream of the refiners (i.e., screens, cleaners, reject refiners, etc.). The purpose of this practice is to remove latency (curl) from pulp fibers.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 470.140-201x, Acoustic Echo Control Requirements for Analog Telephones (new standard)

If analog telephones exhibit delays in the acoustic path, acoustic echo control (AEC) is required to prevent far-end talker echo.

Single copy price: \$93.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

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

BSR/UL 1978-201X, Standard for Grease Ducts (revision of ANSI/UL 1978 -2013 (R2017))

UL proposes a revision to clauses 11.1 and 12.5 of UL 1978.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.comm-2000.com>

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

Comment Deadline: February 20, 2018

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME NM-3-200x, Nonmetallic Materials - Part 1: Thermoplastic Material Specifications; Part 2: Thermoset Material Specifications; Part 3: Properties (new standard)

This standard includes specifications for non-metallic materials (except wood, non-fibrous glass and concrete); and in conformance with the requirements of the individual construction codes, methodologies, design values, limits, and cautions on the use of materials.

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: Colleen O'Brien, (212) 591-7881, obrienc@asme.org

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME TES-1-201x, Molten Salt Thermal Energy Storage Systems (new standard)

This standard applies to the design, construction, installation, commissioning, operation, maintenance, and decommissioning of molten-salt thermal-energy storage systems. Molten-salt thermal-energy systems include the storage medium and associated storage vessels, controls for the system, and associated system components such as but not limited to circulation pumps, piping, and heat exchangers that are in contact with molten salt.

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: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

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

New National Adoption

INCITS/ISO/IEC 20000-6:2017 [201x], Information technology - Service management - Part 6: Requirements for bodies providing audit and certification of service management systems (identical national adoption of ISO/IEC 20000-6:2017)

Specifies requirements and provides guidance for certification bodies providing audit and certification of an SMS in accordance with ISO/IEC 20000-1. It does not change the requirements specified in ISO/IEC 20000-1. ISO/IEC 20000-6:2017 can also be used by accreditation bodies for accreditation of certification bodies. A certification body providing SMS certification is expected to be able to demonstrate fulfillment of the requirements specified in ISO/IEC 20000-6:2017, in addition to the requirements in ISO/IEC 17021-1.

Single copy price: \$103.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

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

New National Adoption

INCITS/ISO/IEC 38505-1:2017 [201x], Information technology - Governance of IT - Governance of data - Part 1: Application of ISO/IEC 38500 to the governance of data (identical national adoption of ISO/IEC 38505-1:2017)

Provides guiding principles for members of governing bodies of organizations (which can comprise owners, directors, partners, executive managers, or similar) on the effective, efficient, and acceptable use of data within their organizations by applying the governance principles and model of ISO/IEC 38500 to the governance of data, assuring stakeholders that, if the principles and practices proposed by this document are followed, they can have confidence in the organization's governance of data, informing and guiding governing bodies in the use and protection of data in their organization, and establishing a vocabulary for the governance of data.

Single copy price: \$138.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2271-201x, Standard for Safety for Batteries for Use In Light Electric Vehicle (LEV) Applications (revision of ANSI/UL 2271-2013)

(1) Correction of cell criteria and tolerance information; (2) Vibration Endurance Test revisions; (3) Revision of marking and instruction requirements for EESAs that are not removed when charging; (4) Addition of production quality control criteria in 17.4; (5) Clarifications to the functional safety criteria; and (6) Clarification of connections to battery cells.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan Van Heirselee, (847) 664-2881, Megan.M.VanHeirselee@ul.com

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.

AMCA (Air Movement and Control Association)

Office: 30 West University Drive
Arlington Heights, IL 60004-1893

Contact: Erin Moore

Phone: (847) 704-6285

E-mail: emoore@amca.org

BSR/AMCA 550-201x, Test Method for High Velocity Wind Driven Rain Resistant Louvers (revision of ANSI/AMCA 550-15)

AMCI (AMC Institute)

Office: 1940 Duke Street
Suite 200
Alexandria, VA 22314

Contact: Erin Carter

Phone: (703) 570-8954

E-mail: ecarter@amcinstitute.org

BSR/AMCI A100.1-201x, AMC Standard of Good Practice (revision of ANSI/AMCI A100.1-2014)

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
Saint Joseph, MI 49085

Contact: Jean Walsh

Phone: (269) 932-7027

Fax: (269) 429-3852

E-mail: walsh@asabe.org

BSR/ASAE D241.5 MONYEAR-201x, Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (revision and redesignation of ANSI/ASAE D241.5 MONYEAR-201x)

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: Mayra Santiago

Phone: (212) 591-8521

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME NM-3-200x, Nonmetallic Materials - Part 1: Thermoplastic Material Specifications; Part 2: Thermoset Material Specifications; Part 3: Properties (new standard)

ASNT (American Society for Nondestructive Testing)

Office: 1711 Arlingate Lane
P.O. Box 28518
Columbus, OH 43228-0518

Contact: Charles Longo

Phone: (800) 222-2768 ext 241

Fax: (614) 274-6899

E-mail: clongo@asnt.org

BSR/ASNT CP-106-201x, Nondestructive Testing - Qualification and Certification of Personnel (national adoption of ISO 9712: 2012 with modifications and revision of ANSI/ASNT CP-106-2008)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: Deborah Spittle

Phone: (202) 737-8888

Fax: (202) 638-4922

E-mail: comments@standards.incits.org

INCITS/ISO/IEC 2047-1975 [S2017], Information processing - Graphical representations for the control characters of the 7-bit coded character set (stabilized maintenance of INCITS/ISO 2047-1975)

December 22, 2017 Standards Action Announcement

This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO/IEC 20000-6:2017 [201x], Information technology - Service management - Part 6: Requirements for bodies providing audit and certification of service management systems (identical national adoption of ISO/IEC 20000-6:2017)

INCITS/ISO/IEC 38505-1:2017 [201x], Information technology - Governance of IT - Governance of data - Part 1: Application of ISO/IEC 38500 to the governance of data (identical national adoption of ISO/IEC 38505-1:2017)

INCITS/ISO/IEC 6429:1992 [S2017], Information technology - Control functions for coded character sets (stabilized maintenance of INCITS/ISO/IEC 6429-1992)

December 22, 2017 Standards Action Announcement

This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

MHI (Material Handling Industry)

Office: 8720 Red Oak Blvd. - Ste. 201
Suite 201
Charlotte, NC 28217

Contact: Patrick Davison

Phone: (704) 714-8755

Fax: (704) 676-1199

E-mail: pdavison@mhi.org

BSR MH16.1-2012 (R201x), Design, Testing and Utilization of Industrial Steel Storage Racks (reaffirmation of ANSI MH16.1-2012)

BSR MH28.2-201X, Design, Testing and Utilization of Industrial Boltless Metal-Wood Shelving (revision of ANSI MH28.2-2012)

BSR MH29.1-201X, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2012)

NSF (NSF International)

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

Contact: Jason Snider

Phone: (734) 418-6660

E-mail: jsnider@nsf.org

BSR/NSF 14-201x (i88r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016b)

BSR/NSF 40-201x (i31r2), Residential Wastewater Treatment Systems (revision of ansi/NSF 40-2013)

BSR/NSF 49-201x (i92r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

BSR/NSF 50-201x (i134r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)

BSR/NSF 245-201x (i12r2), Wastewater treatment systems - Nitrogen reduction (revision of ANSI/NSF 245-2013)

BSR/NSF 350-201x (i26r2), Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017)

TIA (Telecommunications Industry Association)

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

Contact: Teesha Jenkins

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 470.140-201x, Acoustic Echo Control Requirements for Analog Telephones (new standard)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: Megan Monsen

Phone: (847) 664-1292

E-mail: megan.monsen@ul.com

BSR/UL 60947-7-4-201x, Standard for safety for low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (national adoption with modifications of IEC 60947-7-4)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: Jing Kwok

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 47.2-201x, Class 2 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-in Modules Dot Standards (new standard)

BSR/VITA 47.3-201x, Class 3 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (new standard)

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.

AARST (American Association of Radon Scientists and Technologists)

Revision

- * ANSI/AARST CC-1000-2018, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC-1000-2017): 12/11/2017
- * ANSI/AARST RMS-LB-2018, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2014): 12/11/2017
- * ANSI/AARST RMS-MF-2018, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2014): 12/11/2017

AGMA (American Gear Manufacturers Association)

New National Adoption

ANSI/AGMA ISO 23509-B-2017, Bevel and Hypoid Gear Geometry (identical national adoption of ISO 23509:2016 and revision of ANSI/AGMA ISO 23509-A-2008): 12/12/2017

Reaffirmation

ANSI/AGMA 6008-A98 (R2017), Specifications for Powder Metallurgy Gears (reaffirmation of ANSI/AGMA 6008-A98 (R2012)): 12/14/2017

ALI (ASC A14) (American Ladder Institute)

New Standard

- * ANSI A14.2-2017, Standard for Ladders - Portable Metal - Safety Requirements (new standard): 12/12/2017
- * ANSI A14.5-2017, Reinforced Plastic Ladders (new standard): 12/12/2017

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 8.7-1998 (R2017), Nuclear Criticality Safety in the Storage of Fissile Materials (reaffirmation of ANSI/ANS 8.7-1998 (R2012)): 12/14/2017

Revision

ANSI/ANS 8.24-2017, Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations (revision of ANSI/ANS 8.24-2007 (R2012)): 12/12/2017

APA (APA - The Engineered Wood Association)

Revision

- * ANSI 405-2018, Standard for Adhesives for Use in Structural Glued Laminated Timber (revision of ANSI 405-2013): 12/12/2017

APPA (APPA - Leadership in Educational Facilities)

New Standard

ANSI/APPA 1000-1-2017, Total Cost of Ownership (TCO) for Facilities Asset Management - Part 1: Key Principles (new standard): 12/14/2017

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASAE S303.4-2007 (R2017), Test Procedure for Solids-Mixing Equipment for Animal Feeds (reaffirmation of ANSI/ASAE S303.4-2007 (R20103)): 12/11/2017

ANSI/ASAE S572.1 MAR2009 (R2017), Spray Nozzle Classification by Droplet Spectra (reaffirmation of ANSI/ASAE S572.1 MAR2009 (R2013)): 12/12/2017

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.129-2017, Electronic File Format Standards for Presentment and Remittance of Legal Orders (revision of ANSI X9.129-2016): 12/12/2017

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME PTC 47.1-2017, Air Separation Unit (new standard): 12/14/2017

Reaffirmation

ANSI/ASME B5.57-2012 (R2017), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers (reaffirmation of ANSI/ASME B5.57-2012): 12/14/2017

Revision

ANSI/ASME A17.3-2017, Safety Code for Existing Elevators and Escalators (revision of ANSI/ASME A17.3-2015): 12/12/2017

ASNT (American Society for Nondestructive Testing)

Revision

ANSI/ASNT ILI-PQ-2017, In-Line Inspection Personnel - Qualification and Certification Standard (revision of ANSI/ASNT ILI-PQ-2005 (R2010)): 12/12/2017

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0600015.04-2017, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2016): 12/14/2017

AWS (American Welding Society)

New Standard

ANSI/AWS F3.2-2018, Ventilation Guide for Weld Fume (new standard): 12/14/2017

Revision

ANSI/AWS D17.1/D17.1M-2017 - AMD1, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2017): 12/12/2017

BHMA (Builders Hardware Manufacturers Association)

New Standard

- * ANSI/BHMA A156.41-2017, Door Hardware Single Motion to Egress (new standard): 12/12/2017

Revision

- * ANSI/BHMA A156.20-2017, Strap and Tee Hinges, and Hasps (revision of ANSI/BHMA A156.20-2012): 12/12/2017
- * ANSI/BHMA A156.26-2017, Continuous Hinges (revision of ANSI/BHMA A156.26-2012): 12/12/2017

CSA (CSA Group)

Revision

- * ANSI Z21.74-2017, Portable Refrigerators (revision of ANSI Z21.74-2014): 12/14/2017
 - * ANSI Z21.97-2017, Outdoor Decorative Gas Appliances (same as CSA 2.41-201x) (revision of ANSI Z21.97-2014): 12/11/2017
- ANSI/CSA NGV 4.1/CSA 12.5-2017, Compressed Natural Gas Vehicle (NGV) Fueling Connection Devices (revision and redesignation of ANSI/IAS NGV 4.1/CSA 12.5-1999 (R2014)): 12/12/2017

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V2 XML, R2-2012 (R2017), HL7 Version 2: XML Encoding Rules, R2 (reaffirmation of ANSI/HL7 V2 XML, R2-2012): 12/14/2017

HPS (ASC N43) (Health Physics Society)

Reaffirmation

ANSI N43.3-2008 (R2018), General Radiation Safety - Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies up to 10 MeV (reaffirmation of ANSI N43.3-2008): 12/12/2017

ICC (International Code Council)

Revision

ANSI/ICC 300-2017, ICC Standard on Bleachers, Folding and Telescopic Seating, and Grandstands (revision of ANSI/ICC 300-2012): 12/14/2017

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

- ANSI/IEEE 1653.1-2016, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output (new standard): 12/14/2017
- ANSI/IEEE 11073-10422-2016, Health informatics - Personal health device communication - Part 10422: Device Specialization -Urine Analyzer (new standard): 12/14/2017

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

Reaffirmation

INCITS 358-2002 [R2017], Information technology - BioAPI Specification (Version 1.1) (reaffirmation of INCITS 358-2002 [R2012]): 12/11/2017

INCITS 358-2002/AM 1-2007 [R2017], Information technology - BioAPI Specification (Version 1.1) - Amendment 1: Support for Biometric Fusion (reaffirmation of INCITS 358-2002/AM 1-2007 [R2012]): 12/11/2017

INCITS 482-2012 [R2017], Information technology - ATA/ATAPI Command Set - 2 (ACS-2) (reaffirmation of INCITS 482-2012): 12/14/2017

INCITS 493-2012 [R2017], Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012): 12/14/2017

INCITS/ISO/IEC 13818-9:1996 [R2017], Information technology - Generic coding of moving pictures and associated audio information - Part 9: Extension for real-time interface for systems decoders (reaffirmation of INCITS/ISO/IEC 13818-9:1996 [R2012]): 12/11/2017

INCITS/ISO/IEC 14496-2:2004 [R2017], Information technology - Coding of audio-visual objects - Part 2: Visual (reaffirmation of INCITS/ISO/IEC 14496-2:2004 [R2012]): 12/11/2017

INCITS/ISO/IEC 15938-1:2002 [R2017], Information technology - Multimedia content description interface - Part 1: Systems (reaffirmation of INCITS/ISO/IEC 15938-1:2002 [R2012]): 12/11/2017

INCITS/ISO/IEC 15938-2:2002 [R2017], Information Technology - Multimedia Content Description Interface - Part 2: Description Definition Language (reaffirmation of INCITS/ISO/IEC 15938-2:2002 [R2012]): 12/11/2017

INCITS/ISO/IEC 15938-3:2002 [R2017], Information technology - Multimedia content description interface - Part 3: Visual (reaffirmation of INCITS/ISO/IEC 15938-3:2002 [R2012]): 12/11/2017

INCITS/ISO/IEC 15938-4:2002 [R2017], Information technology - Multimedia content description interface - Part 4: Audio (reaffirmation of INCITS/ISO/IEC 15938-4:2002 [R2012]): 12/11/2017

INCITS/ISO/IEC 18023-1:2006/AM1:2012 [R2017], Information technology - SEDRIS - Part 1: Functional specification - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18023-1:2006/AM1:2012): 12/11/2017

INCITS/ISO/IEC 18023-3:2006/AM1:2012 [R2017], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) - Part 3: Transmittal format binary encoding - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18023-3:2006/AM1:2012 [2012]): 12/11/2017

INCITS/ISO/IEC 18024-4:2006/AM1:2012 [R2017], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) Language Bindings - Part 4: C - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18024-4:2006/Amd 1:2012): 12/11/2017

INCITS/ISO/IEC 18042-4:2006/AM1:2011 [R2017], Information technology - Computer graphics and image processing - The Virtual Reality Modeling Language - Part 1: Functional specification and UTF-8 encoding - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18042-4:2006/Amd 1:2012): 12/11/2017

INCITS/ISO/IEC 19784-1:2006 [R2017], Information technology - Biometric application programming interface - Part 1: BioAPI specification (reaffirmation of INCITS/ISO/IEC 19784-1:2006 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-1:2006 [R2017], Information technology - Biometric data interchange formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1:2006 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-2:2005 [R2017], Information technology - Biometric data interchange formats - Part 2: Finger minutiae data (reaffirmation of INCITS/ISO/IEC 19794-2:2005 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-3:2006 [R2017], Information technology - Biometric data interchange formats - Part 3: Finger pattern spectral data (reaffirmation of INCITS/ISO/IEC 19794-3:2006 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-4:2005 [R2017], Information technology - Biometric data interchange formats - Part 4: Finger image data (reaffirmation of INCITS/ISO/IEC 19794-4:2005 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-5:2005 [R2017], Information technology - Biometric data interchange formats - Part 5: Face image data (reaffirmation of INCITS/ISO/IEC 19794-5:2005 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-6:2005 [R2017], Information technology - Biometric data interchange formats - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 19794-6:2005 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-7:2007 [R2017], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirmation of INCITS/ISO/IEC 19794-7:2007 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-9:2007 [R2017], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 19794-9:2007 [R2012]): 12/11/2017

INCITS/ISO/IEC 19794-10:2007 [R2017], Information technology - Biometric data interchange formats - Part 10: Hand geometry silhouette data (reaffirmation of INCITS/ISO/IEC 19794-10:2007 [R2012]): 12/11/2017

Revision

INCITS 499-2017, Information technology - Next Generation Access Control - Functional Architecture (revision of INCITS 499-2013): 12/12/2017

Withdrawal

INCITS 361-2002 [R2012], Information Technology - AT Attachment with Packet Interface - 6 (ATA/ATAPI-6) (withdrawal of INCITS 361-2002 [R2012]): 12/14/2017

INCITS 397:2005/AM1-2007 [R2012], Information technology - AT Attachment with Packet Interface - 7 (ATA/ATAPI-7) - Amendment 1 (withdrawal of INCITS 397:2005/AM1:2007 [R2012]): 12/14/2017

INCITS 370:2004/AM1:2007 [R2012], Information technology - ATA/ATAPI Host Adapters Standard (ATA-Adapter) - Amendment 1 (withdrawal of INCITS 370:2004/AM1:2007 [R2012]): 12/14/2017

INCITS 361:2002, Erratum 1-2004 [R2009], Information Technology - AT Attachment with Packet Interface - 6 (ATA/ATAPI-6) - Erratum 1 (withdrawal of INCITS 361:2002, Erratum 1-2004 [R2009]): 12/12/2017

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 331-2013 (R2017), Standard for Safety for Strainers for Flammable Fluids and Anhydrous Ammonia (reaffirmation of ANSI/UL 331-2013): 12/13/2017

ANSI/UL 343-2013 (R2017), Standard for Safety for Pumps for Oil-Burning Appliances (reaffirmation of ANSI/UL 343-2013): 12/13/2017

ANSI/UL 407-2004 (R2017), Standard for Safety for Manifolds for Compressed Gases (reaffirmation of ANSI/UL 407-2004 (R2013)): 12/12/2017

ANSI/UL 565-2013 (R2017), Standard for Safety for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas (reaffirmation of ANSI/UL 565-2013): 12/12/2017

VC (ASC Z80) (The Vision Council)

Reaffirmation

ANSI Z80.11-2012 (R2017), Laser Systems for Corneal Reshaping (reaffirmation of ANSI Z80.11-2012): 12/11/2017

* ANSI Z80.12-2007 (R2017), Multifocal Intraocular Lenses (reaffirmation of ANSI Z80.12-2007 (R2012)): 12/11/2017

* ANSI Z80.13-2007 (R2017), Phakic Intraocular Lenses (reaffirmation of ANSI Z80.13-2007 (R2012)): 12/11/2017

ANSI Z80.24-2007 (R2017), Information Interchange for Ophthalmic Optical Equipment (reaffirmation of ANSI Z80.24-2007 (R2012)): 12/11/2017

Revision

* ANSI Z80.31-2017, Ophthalmic Optics - Specifications for Ready-to-Wear Near-Vision Spectacles (revision of ANSI Z80.31-2012): 12/12/2017

VITA (VMEbus International Trade Association (VITA))

New Standard

ANSI/VITA 67.3-2017, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane (new standard): 12/11/2017

Reaffirmation

ANSI/VITA 48.5-R2010 (R2017), Mechanical Standard for Electronic Plug-In Units Using Air Flow through Cooling (reaffirmation of ANSI/VITA 48.5-2010): 12/11/2017

ANSI/VITA 53.0-2010 (R2017), Standard for Commercial Technology Market Surveillance (reaffirmation of ANSI/VITA 53.0-2010): 12/12/2017

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.

AISC (American Institute of Steel Construction)

Contact: Cynthia Duncan, (312) 670-5410, duncan@aisc.org

BSR/AISC N690-201x, Specification for Safety-Related Steel Structures for Nuclear Facilities (revision of ANSI/AISC N690-2012)

Stakeholders: Structural engineers, steel fabricators, steel erectors, construction managers, building owners.

Project Need: Update the standard for the use in the design and construction of safety-related steel structures.

This standard applies to the design of safety-related steel structures and steel elements in nuclear facilities. Structures and structural elements subject to this standard are those steel structures that are part of a safety-related system or that support, house, or protect safety-related systems or components, the failure of which would impair the safety-related functions of these systems or components.

AMCA (Air Movement and Control Association)

Contact: Erin Moore, (847) 704-6285, emoore@amca.org

* BSR/AMCA 550-201x, Test Method for High Velocity Wind Driven Rain Resistant Louvers (revision of ANSI/AMCA 550-15)

Stakeholders: Louver manufacturers, builders, product consumers, regulatory bodies.

Project Need: This standard establishes uniform laboratory test methods and minimum performance ratings for water rejection capabilities of louvers intended to be used in high-velocity wind conditions.

Tests conducted in accordance with the requirements of this standard are intended to demonstrate the acceptability of the louver in which water infiltration must be kept to manageable amounts during a high-velocity wind-driven rain event. The test specimen can be approved in either an open or closed position, as stated in Section 5.

AMCI (AMC Institute)

Contact: Erin Carter, (703) 570-8954, ecarter@amcinstitute.org

BSR/AMCI A100.1-201x, AMC Standard of Good Practice (revision of ANSI/AMCI A100.1-2014)

Stakeholders: AMC owners/senior executive staff, association volunteer leaders, advisors, general interest.

Project Need: AMCI operates under periodic maintenance (five years from the date of the last approval as an ANS).

The AMC Institute Standard establishes requirements that provide a measurement for practices that can be utilized by all sizes and types of Association Management Companies (AMCs) in order to enhance the performance of the AMC and their staff.

ANS (American Nuclear Society)

Contact: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org

BSR/ANS 8.1-201x, Nuclear Criticality Safety in Operations with Fissionable Material Outside Reactors (revision of ANSI/ANS 8.1-2014)

Stakeholders: Government and commercial facilities that process, store, transport, and handle significant amounts of fissile material outside reactors.

Project Need: The need for a revision is due to requests from the community for the inclusion of new subcritical (SCL) limits. The new subcritical limits will include at a minimum SCLs for uranium and uranium compounds for enrichments up to 20 wt.% U-235. Other Pu/U SCLs will be considered for inclusion. These compounds have not yet been selected. Lessons-learned and comments received since the 2014 revision was approved and will be considered for incorporation. In addition, recommendations may be related to the applicability of ANS 8.1 for the purposes of considering natural phenomena in process analysis, which will be considered for inclusion.

This standard is applicable to operations with fissionable materials outside nuclear reactors, except for the assembly of these materials under controlled conditions, such as in critical experiments. Generalized basic criteria are presented, and limits are specified for some single fissionable units of simple shape containing 233U, 235U, or 239Pu, but not for multiunit arrays. Subcritical limits for certain multiunit arrays are contained in ANSI/ANS 8.7-1998 (R2012). Requirements are stated for validation of any calculational method used in assessing nuclear criticality safety.

ASABE (American Society of Agricultural and Biological Engineers)

Contact: *Jean Walsh, (269) 932-7027, walsh@asabe.org*

BSR/ASAE D241.5 MONYEAR-201x, Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (revision and redesignation of BSR/ASAE D241.5 MONYEAR-201x)

Stakeholders: Engineers working in the grain, feed, food, and bioprocessing industries. Experts needed for this project should be from Industry. No experts from Academia and Research are needed.

Project Need: Update data, figures and tables.

Data relating to density, specific gravity, and mass-moisture relationships of grain for storage.

ASME (American Society of Mechanical Engineers)

Contact: *Mayra Santiago, (212) 591-8521, ansibox@asme.org*

BSR/ASME B89.1.17-201x, Measurement of Thread Measuring Wires (revision of ANSI/ASME B89.1.17-2001 (R2017))

Stakeholders: Manufacturers, testing facilities, automotive, and aerospace.

Project Need: The standard is being revised to bring it up to date with current business practices.

This Standard is intended to establish uniform practices for the measurement of thread-measuring wires. The standard includes methods for the direct measurement of both master and working wires and methods for the comparison measurement of working wires.

ASTM (ASTM International)

Contact: *Corice Leonard, (610) 832-9744, accreditation@astm.org*

BSR/ASTM WK61305-201x, New Practice for Specimen Preparation and Mounting of Plastic Composites for Use as Deck Boards, Stair Treads, Guards or Handrails to Assess Surface Burning Characteristics (new standard)

Stakeholders: Surface Burning industry.

Project Need: This Practice describes a procedure for specimen preparation and mounting when testing plastic composite materials for use as deck boards, stair treads, guards or handrails to assess flame spread index as a surface burning characteristic using Test Method E84. 1.2.

<https://www.astm.org/DATABASE.CART/WORKITEMS/WK61305.htm>

BSR/ASTM WK61399-201x, New Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly (new standard)

Stakeholders: Machinery and Piping Systems industry.

Project Need: This practice covers the minimum requirements for the design, production, deployment, and manufacture of bunker hose transfer assemblies for cryogenic service pertaining to bunkering of liquefied natural gas (LNG)-fueled vessels. The bunker hose transfer assemblies addressed by this practice are for connections between the LNG-fueled vessel bunker manifold presentation flange connections and the LNG supplier bunkering manifold presentation flange connections.

<https://www.astm.org/DATABASE.CART/WORKITEMS/WK61399.htm>

AWC (American Wood Council)

Contact: *Bradford Douglas, (202) 463-2770, bdouglas@awc.org*

BSR/AWC SDPWS-201x, Special Design Provisions for Wind and Seismic (revision of ANSI/AWC SDPWS-2015)

Stakeholders: Engineers, architects, builders, and regulators.

Project Need: Revise current version of SDPWS-2015.

Provides special design and construction requirements for wind and seismic design of wood structures.

MHI (Material Handling Industry)

Contact: *Patrick Davison, (704) 714-8755, pdavison@mhi.org*

BSR MH16.1-2012 (R201x), Design, Testing and Utilization of Industrial Steel Storage Racks (reaffirmation of ANSI MH16.1-2012)

Stakeholders: Storage rack manufacturers, users, and regulators.

Project Need: Provide guidance on the design and installation of industrial steel storage racks, and to align requirements to applicable building codes.

The standard applies to industrial pallet racks, movable shelf racks, and stacker racks made of cold-formed or hot-rolled steel structural members. It does not apply to other types of racks, such as drive-in or drive-through racks, cantilever racks, portable racks, etc., or to racks made of material other than steel.

BSR MH28.2-201X, Design, Testing and Utilization of Industrial Boltless Metal-Wood Shelving (revision of ANSI MH28.2-2012)

Stakeholders: Industrial shelving manufacturers, installers, users, and regulators.

Project Need: Provide design and installation requirements for industrial boltless metal-wood shelving.

This standard applies to industrial steel boltless shelving; boltless shelving placed on mobile carriages; multi-level boltless shelving systems such as pick modules, catwalks, and deck-overs (dance floor); and for boltless shelving used in conjunction with an automated storage and retrieval system (AS/RS). The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. This standard does not apply to the following: boltless shelving whose shelving components are not fabricated from steel, industrial steel bin shelving, or shelving systems built with slotted metal angle.

BSR MH29.1-201X, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2012)

Stakeholders: Manufacturers, users, and regulators associated with industrial scissors lifts.

Project Need: Mobile and stationary industrial scissors lifts raise, lower and position materials and personnel in various applications but are different from other conveyances such as aerial work platforms (AWP) and elevators. In an effort to be referenced in the International Building Code (IBC) along with conveying systems and elevators, MH29.1 has been revised to better illustrate that personnel operate and may themselves be raised or lowered by industrial scissors lifts.

This standard applies to industrial scissors lifts that are raised and lowered by means of hydraulic, pneumatic, or mechanical actuation. These industrial scissors lifts are intended for commercial applications on firm and level surfaces and may be either stationary or mobile and used to position, feed, transfer, load, or unload materials and/or personnel.

VITA (VMEbus International Trade Association (VITA))

Contact: *Jing Kwok, (602) 281-4497, jing.kwok@vita.com*

BSR/VITA 47.2-201x, Class 2 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standards (new standard)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: Develop a standard for standardizing Class 2 environmental factors for embedded computers.

This standard defines the unique environments, design and construction, safety, and quality for plug-in module requirements related to products meant to align with the applications defined in IPC J-STD-001, Class 2.

BSR/VITA 47.3-201x, Class 3 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (new standard)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: Develop a standard for standardizing Class 3 environmental factors for embedded computers.

This standard documents the unique environments, design and construction, safety, and quality for plug-in module requirements related to products meant to align with the applications defined in IPC J-STD-001, Class 3.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

<p>AAFS American Academy of Forensic Sciences 4200 Wisconsin Ave, NW Suite 106-310 Washington, DC 20016 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>AMCA Air Movement and Control Association 30 West University Drive Arlington Heights, IL 60004-1893 Phone: (847) 704-6285 Web: www.amca.org</p>	<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>AWC American Wood Council 222 Catocin Circle Suite 201 Leesburg, VA 20175 Phone: (202) 463-2770 Fax: (202) 463-2791 Web: www.awc.org</p>
<p>AARST American Association of Radon Scientists and Technologists 475 South Church Street, Suite 600 Hendersonville, NC 28792 Phone: (202) 830-1110 Fax: (913) 780-2090 Web: www.aarst.org</p>	<p>AMCI AMC Institute 1940 Duke Street Suite 200 Alexandria, VA 22314 Phone: (703) 570-8954 Web: www.amcinstitute.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>AWS American Welding Society 8669 NW 36th Street Suite #130 Miami, FL 33166-6672 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>
<p>ABMA (ASC B3) American Bearing Manufacturers Association 330 N. Wabash Avenue Suite 2000 Chicago, IL 60611 Phone: (919) 481-2852 Fax: (919) 827-4587 Web: www.americanbearings.org</p>	<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>APA APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Fax: (253) 565-7265 Web: www.apawood.org</p>	<p>ASNT American Society for Nondestructive Testing 1711 Arlingate Lane P.O. Box 28518 Columbus, OH 43228-0518 Phone: (800) 222-2768 ext 241 Fax: (614) 274-6899 Web: www.asnt.org</p>	<p>BHMA Builders Hardware Manufacturers Association 355 Lexington Avenue 15th Floor New York, NY 10017 Phone: (212) 297-2126 Fax: (212) 370-9047 Web: www.buildershardware.com</p>
<p>AISC American Institute of Steel Construction 130 E. Randolph Street Suite 2000 Chicago, IL 60601-6204 Phone: (312) 670-5410 Fax: (312) 986-9022 Web: www.aisc.org</p>	<p>API American Petroleum Institute 1220 L Street, NW Washington, DC 20005-4070 Phone: (202) 682-8135 Fax: (202) 962-4797 Web: www.api.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>CSA CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org</p>
<p>ALI (ASC A14) American Ladder Institute 330 N. Wabash Avenue, Suite 2000 Chicago, IL 60611 Phone: (312) 673-5923 Web: www.americanladderinstitute.org</p>	<p>APPA APPA - Leadership in Educational Facilities 1643 Prince Street Alexandria, VA 22314 Phone: (703) 542-3846 Fax: (703) 542-3798 Web: www.appa.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: www.atis.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: www.asabe.org</p>			<p>HPS (ASC N13) Health Physics Society 1313 Dolley Madison Blvd #402 McLean, VA 22101 Phone: (703) 790-1745 Fax: (703) 790-2672 Web: www.hps.org</p>

HPS (ASC N43)

Health Physics Society
1313 Dolley Madison Blvd #402
McLean, VA 22101
Phone: (703) 790-1745
Fax: (703) 790-2672
Web: www.hps.org

ICC

International Code Council
4051 West Flossmoor Road
Country Club Hills, IL 60478-5795
Phone: (888) 422-7233
Fax: (708) 799-0320
Web: www.iccsafe.org

IEEE

Institute of Electrical and Electronics
Engineers (IEEE)
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5737
Fax: (202) 638-4922
Web: www.incits.org

MHI

Material Handling Industry
8720 Red Oak Blvd. - Ste. 201
Suite 201
Charlotte, NC 28217
Phone: (704) 714-8755
Fax: (704) 676-1199
Web: www.mhi.org

MSS

Manufacturers Standardization
Society
127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Fax: (703) 281-6671
Web: www.mss-hq.org

NECA

National Electrical Contractors
Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Web: www.neca-neis.org

NSF

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

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Fax: (800) 542-5040
Web: www.scte.org

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-1292
Web: www.ul.com

VC (ASC Z80)

The Vision Council of North America
225 Reinekers Lane
Alexandria, VA 22314
Phone: 585-387-9913
Web: www.z80asc.com

VITA

VMEbus International Trade
Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.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 11133/DAMd2, Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media - Amendment 2 - 1/5/2018, \$53.00

ISO/DIS 20613, Sensory Analysis - General guidance for the application of sensory analysis in quality control - 3/4/2018, \$58.00

ISO/DIS 22117, Microbiology of the food chain - Specific requirements and guidance for proficiency testing by interlaboratory comparison - 3/3/2018, \$98.00

ISO/DIS 16140-3, Microbiology of the food chain - Method validation - Part 3: Protocol for the verification of reference and validated alternative methods implemented in a single laboratory - 1/8/2018, \$119.00

ISO/DIS 16140-4, Microbiology of the food chain - Method validation - Part 4: Protocol for single-laboratory (in-house) method validation - 1/8/2018, \$107.00

ISO/DIS 16140-5, Microbiology of the food chain - Method validation - Part 5: Protocol for factorial interlaboratory validation of non-proprietary methods - 1/8/2018, \$102.00

ISO/DIS 16140-6, Microbiology of the food chain - Method validation - Part 6: Protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures - 1/8/2018, \$88.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 11076, Aircraft - De-icing/anti-icing methods on the ground - 3/1/2018, \$40.00

CAST IRON AND PIG IRON (TC 25)

ISO/DIS 945-4, Microstructure of cast irons - Part 4: Test method for evaluating nodularity in spheroidal graphite cast irons - 3/1/2018, \$82.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14008, Monetary valuation of environmental impacts and related environmental aspects - Principles, requirements and guidelines - 1/6/2018, \$107.00

FREIGHT CONTAINERS (TC 104)

ISO/DIS 1496-2, Series 1 freight containers - Specification and testing - Part 2: Thermal containers - 1/4/2018, \$119.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 13782, Implants for surgery - Metallic materials - Unalloyed tantalum for surgical implant applications - 1/4/2018, \$33.00

ISO/DIS 22622, Implants for surgery - Wear of total ankle-joint prostheses - Loading and displacement parameters for wear-testing machines with load or displacement control and corresponding environmental conditions for test - 3/5/2018, \$82.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 20140-3, Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 3: Environmental performance evaluation data aggregation process - 3/2/2018, \$46.00

LEATHER (TC 120)

ISO/DIS 11457, Leather - Grading of wet blue goat and sheep skins based on defects - 3/3/2018, \$46.00

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

ISO/DIS 23251, Petroleum, petrochemical and natural gas industries - Pressure-relieving and depressuring systems - 11/5/2006, \$46.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 20816-4, Mechanical vibration - Measurement and evaluation of machine vibration - Part 4: Gas turbines in excess of 3 MW, with fluid-film bearings - 1/4/2018, \$82.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 28057, Clinical dosimetry - Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy - 3/5/2018, \$112.00

ISO/DIS 16638-2, Radiological protection - Monitoring and internal dosimetry for specific materials - Part 2: Ingestion of uranium compounds - 3/9/2018, \$98.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 374-2, Protective gloves against dangerous chemicals and micro-organisms - Part 2: Determination of resistance to penetration - 3/2/2018, \$40.00

ISO/DIS 374-4, Protective gloves against chemicals and micro-organisms - Part 4: Determination of resistance to degradation by chemicals - 3/2/2018, \$53.00

PLASTICS (TC 61)

ISO/DIS 15314, Plastics - Methods for marine exposure - 12/24/2028, \$58.00

ISO/DIS 19062-2, Plastics - Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 3/5/2018, \$46.00

ISO/DIS 19065-2, Plastics - Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 3/5/2018, \$46.00

ISO/DIS 21306-1, Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 3/2/2018, \$40.00

ISO/DIS 21306-2, Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 3/2/2018, \$40.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

ISO/DIS 18091, Quality management systems - Guidelines for the application of ISO 9001 in local government - 3/4/2018, \$146.00

ROAD VEHICLES (TC 22)

ISO/DIS 4141-1, Road vehicles - Multi-core connecting cables - Part 1: Test methods and requirements for basic performance sheathed cables - 3/4/2018, \$58.00

ISO/DIS 4141-2, Road vehicles - Multi-core connecting cables - Part 2: Test methods and requirements for high performance sheathed cables - 3/4/2018, \$33.00

ISO/DIS 4141-3, Road vehicles - Multi-core connecting cables - Part 3: Construction, dimensions and marking of unscreened sheathed low-voltage cables - 3/4/2018, \$46.00

ISO/DIS 15118-1, Road vehicles - Vehicle to grid communication interface - Part 1: General information and use-case definition - 1/4/2018, \$165.00

ISO/DIS 19072-4, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 4: Pyrotechnic device and harness connector assembly - Type 2 - 3/4/2018, \$58.00

ISO/DIS 21755-1, Motorcycles - Measurement method for evaporative emissions - Part 1: SHED test procedure - 1/4/2018, \$88.00

ISO/DIS 22241-2, Diesel engines - NOx reduction agent AUS 32 - Part 2: Test methods - 3/2/2018, \$125.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 4661-2, Rubber, vulcanized - Preparation of samples and test pieces - Part 2: Chemical tests - 3/8/2018, \$33.00

SAFETY OF MACHINERY (TC 199)

ISO/DIS 13851, Safety of machinery - Two-hand control devices - Functional aspects and design principles - 12/6/2005, \$82.00

ISO/DIS 13857, Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs - 1/4/2018, \$77.00

SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)

ISO/DIS 24516-2, Guidelines for the management of assets of water supply and wastewater systems - Part 2: Waterworks including treatment, pumping and storage 9 (also in the networks) - 3/3/2018, \$125.00

ISO/DIS 24516-4, Guidelines for the management of assets of water supply and wastewater systems - Part 4: Wastewater treatment plants (including pumping and sludge treatment) - 3/3/2018, \$134.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 25862, Ships and marine technology - Marine magnetic compasses, binnacles and azimuth reading devices - 3/3/2018, \$125.00

STEEL (TC 17)

ISO/DIS 4945, Steel - Determination of nitrogen - Spectrophotometric method - 1/6/2018, \$58.00

ISO/DIS 20915, Life cycle inventory calculation methodology for steel products - 1/5/2018, \$98.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 22259, Conference systems - Equipment - Requirements - 3/10/2018, \$93.00

ISO/DIS 24613-1, Language resource management - Lexical markup framework (LMF) - Part 1: Core model - 3/3/2018, \$62.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 21314, Traditional Chinese medicine - Salvia miltiorrhiza root and rhizome - 3/4/2018, \$71.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 20909, Radio frequency identification (RFID) tyre tags - 1/7/2018, \$46.00

ISO/DIS 20910, Coding for radio frequency identification (RFID) tyre tags - 1/7/2018, \$58.00

IEC Standards

14/946/CD, IEC 60076-19 ED1: Power transformers - Part 19: Rules for the determination of uncertainties in the measurement of the losses on power transformers and reactors, 018/3/9/

17C/674/CD, IEC 62271-213 ED1: High-voltage switchgear and controlgear - Part 213: Voltage detecting and indicating system, 018/3/9/

21/953/CD, IEC 60095-7 ED1: Lead-acid starter batteries - Part 7: General requirements and methods of test for motorcycle batteries, 018/2/9/

23E/1042/FDIS, IEC 62955 ED1: Residual Direct Current Detecting Device (RDC-DD) to be used for Mode 3 charging of Electric Vehicle, 2018/1/26

23G/393/FDIS, IEC 60799 ED3: Electrical accessories - Cord sets and interconnection cord sets, 2018/1/26

23H/389B/CD, IEC 62196-1 ED4: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements, 2018/1/26

28/255/FDIS, IEC 60071-2 ED4: Insulation co-ordination - Part 2: Application guidelines, 2018/1/26

32B/675/CD, IEC 60269-7 ED1: Low-voltage fuses - Part 7: Fuse links for the protection of batteries, 018/3/9/

34/476/FDIS, IEC 62504/AMD1 ED1: Amendment 1 - General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions, 2018/1/26

34A/2051/FDIS, IEC 61167 ED4: Metal halide lamps - Performance specification, 2018/1/26

35/1386/CD, IEC 60086-1 ED13: Primary batteries - Part 1: General, 018/3/9/

35/1387/CD, IEC 60086-2 ED14: Primary batteries - Part 2: Physical and electrical specifications, 018/3/9/

- 47/2450/FDIS, IEC 62969-2 ED1: Semiconductor devices - Semiconductor interface for automotive vehicles - Part 2: Efficiency evaluation methods of wireless power transmission using resonance for automotive vehicles sensors, 2018/1/26
- 47A/1039/CD, IEC 62433-6 ED1: EMC IC modelling - Part 6: Models of integrated circuits for immunity behavioural simulation - Conducted Pulse Immunity (ICIM-CPI), 018/3/9/
- 47A/1036/CDV, IEC 63011-2 ED1: Integrated circuits - Three dimensional integrated circuits - Part 2: Alignment of stacked dies having fine pitch interconnect, 018/3/9/
- 47A/1035/CDV, IEC 63011-1 ED1: Integrated circuits - Three dimensional integrated circuits - Part 1: General conditions and definitions, 018/3/9/
- 47D/900/FDIS, IEC 60191-2/FRAG70 ED1: Amendment 20 - Mechanical standardization of semiconductor devices - Part 2: Dimensions, 2018/1/26
- 47F/303/CD, IEC 62047-35 ED1: Semiconductor devices - Micro-electromechanical devices - Part 35: Standard test procedure for the anti-failure robustness of flexible or foldable electro-mechanical devices against bending deformation, 018/2/9/
- 49/1267/CD, IEC TS 61994-4-1 ED3: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 4-1: Piezoelectric materials - Synthetic quartz crystal, 018/3/9/
- 49/1268/CD, IEC TS 61994-4-4 ED3: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 4-4: Materials - Materials for surface acoustic wave (SAW) devices, 018/3/9/
- 55/1635/FDIS, IEC 60317-74 ED1: Specifications for particular types of winding wires - Part 74: Polyesterimide enamelled rectangular aluminium wire, class 180, 2018/1/26
- 55/1634/FDIS, IEC 60317-73 ED1: Specifications for particular types of winding wires - Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200, 2018/1/26
- 57/1947/FDIS, IEC 62325-301 ED2: Framework for energy market communications - Part 301: Common information model (CIM) extensions for markets, 2018/1/26
- 57/1936/CDV, IEC 62325-503 ED1: Framework for energy market communications - Part 503: Market data exchanges guidelines for the IEC 62325-351 profile, 018/3/9/
- 61/5555/CDV, IEC 60335-2-7 ED8: Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, 018/3/9/
- 61/5559/CDV, IEC 60335-2-11 ED8: Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, 018/3/9/
- 61/5556/CDV, IEC 60335-2-9 ED7: Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances, 018/3/9/
- 61/5562/CDV, IEC 60335-2-17/AMD2 ED3: Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances, 018/3/9/
- 61/5563/CDV, IEC 60335-2-21/AMD1 ED6: Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters, 018/3/9/
- 61/5568/CDV, IEC 60335-2-8/AMD2 ED6: Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances, 018/3/9/
- 61/5569/CDV, IEC 60335-2-23/AMD1 ED6: Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care, 018/3/9/
- 61/5564/CDV, IEC 60335-2-29/AMD1 ED5: Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers, 018/3/9/
- 61/5565/CDV, IEC 60335-2-31/AMD2 ED5: Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors, 018/3/9/
- 61/5566/CDV, IEC 60335-2-54/AMD2 ED4: Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam, 018/3/9/
- 61/5560/CDV, IEC 60335-2-14/AMD1 ED6: Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, 018/3/9/
- 61/5561/CDV, IEC 60335-2-15/AMD2 ED6: Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids, 018/3/9/
- 61/5567/CDV, IEC 60335-2-75/AMD2 ED3: Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, 018/3/9/
- 61H/362/FDIS, IEC 60335-2-87/AMD1 ED3: Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal stunning equipment, 2018/1/26
- 62B/1072/CDV, IEC 62985 ED1: Methods for Calculating Size Specific Dose Estimate (SSDE) on Computed Tomography, 018/3/9/
- 65B/1103/CDV, IEC 60746-4 ED2: Expression of performance of electrochemical analyzers - Part 4: Dissolved oxygen in water measured by membrane covered amperometric sensors, 018/3/9/
- 69/548/FDIS, ISO 15118-4 ED1: Road Vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test, 2018/1/26
- 69/549/FDIS, ISO 15118-5 ED1: Road vehicles - Vehicles to grid communication interface - Part 5: Physical and data link layer conformance tests, 2018/1/26
- 82/1360/CDV, IEC 62788-1-7 ED1: Measurement procedures for materials used in photovoltaic modules - Part 1-7: Test procedure for the optical durability of transparent polymeric PV packaging materials, 018/3/9/
- 88/658/NP, PNW TS 88-658: Wind energy generation systems - Through life management and life extension of wind power assets (proposed IEC TS 61400-28), 018/3/9/
- 110/936/FDIS, IEC 61747-40-5 ED1: Liquid crystal display devices - Part 40-5: Mechanical testing of display cover glass for mobile devices - Strength against dynamic impact by a sharp object with the specimen rigidly supported, 2018/1/26
- 113/400/NP, PNW TS 113-400: Nanotechnologies - 3D image reconstruction of nano-objects using transmission electron microscopy, 018/3/9/
- 115/177/DTR, IEC TR 62672 ED1: Reliability and availability evaluation of HVDC systems, 018/2/9/
- 119/193/CDV, IEC 62899-202-5 ED1: Printed electronics - Part 202-5: Materials - Conductive ink - Mechanical bending test of a printed conductive layer on a substrate, 018/3/9/
- 120/116/FDIS, IEC 62933-1 ED1: Electrical Energy Storage (EES) systems - Part 1: Vocabulary, 2018/1/26
- 121A/176/CDV, IEC 60947-7-4 ED2: Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors, 018/3/9/



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 389-1:2017](#), Acoustics - Reference zero for the calibration of audiometric equipment - Part 1: Reference equivalent threshold sound pressure levels for pure tones and supra-aural earphones, \$68.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

[ISO 7396-1/Amd1:2017](#), Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Amendment 1, \$19.00

[ISO 80601-2-61:2017](#), Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment, \$232.00

CAST IRON AND PIG IRON (TC 25)

[ISO 945-1:2017](#), Microstructure of cast irons - Part 1: Graphite classification by visual analysis, \$162.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 11130:2017](#), Corrosion of metals and alloys - Alternate immersion test in salt solution, \$68.00

CROSS-BORDER TRADE OF SECOND-HAND GOODS (TC 245)

[ISO 20245:2017](#), Cross-border trade of second-hand goods, \$68.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 17450-4:2017](#), Geometrical product specifications (GPS) - Basic concepts - Part 4: Geometrical characteristics for quantifying GPS deviations, \$103.00

ENVIRONMENTAL MANAGEMENT (TC 207)

[ISO 14044/Amd1:2017](#), Environmental management - Life cycle assessment - Requirements and guidelines - Amendment 1, \$19.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

[ISO 21263:2017](#), Slow-release fertilizers - Determination of the release of the nutrients - Method for coated fertilizers, \$68.00

GEOTECHNICS (TC 182)

[ISO 14689:2017](#), Geotechnical investigation and testing - Identification, description and classification of rock, \$138.00

[ISO 14688-1:2017](#), Geotechnical investigation and testing - Identification and classification of soil - Part 1: Identification and description, \$138.00

[ISO 14688-2:2017](#), Geotechnical investigation and testing - Identification and classification of soil - Part 2: Principles for a classification, \$68.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO 2108:2017](#), Information and documentation - International Standard Book Number (ISBN), \$138.00

[ISO 18626:2017](#), Information and documentation - Interlibrary Loan Transactions, \$162.00

MECHANICAL TESTING OF METALS (TC 164)

[ISO 4545-1:2017](#), Metallic materials - Knoop hardness test - Part 1: Test method, \$138.00

[ISO 4545-2:2017](#), Metallic materials - Knoop hardness test - Part 2: Verification and calibration of testing machines, \$103.00

[ISO 4545-3:2017](#), Metallic materials - Knoop hardness test - Part 3: Calibration of reference blocks, \$68.00

NON-DESTRUCTIVE TESTING (TC 135)

[ISO 20486:2017](#), Non-destructive testing - Leak testing - Calibration of reference leaks for gases, \$162.00

OTHER

[ISO 20701:2017](#), Leather - Tests for colour fastness - Colour fastness to saliva, \$45.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 5165:2017](#), Petroleum products - Determination of the ignition quality of diesel fuels - Cetane engine method, \$138.00

[ISO 20623:2017](#), Petroleum and related products - Determination of the extreme-pressure and anti-wear properties of lubricants - Four-ball method (European conditions), \$103.00

ROLLING BEARINGS (TC 4)

[ISO 20056-1:2017](#), Rolling bearings - Load ratings for hybrid bearings with rolling elements made of ceramic - Part 1: Dynamic load ratings, \$103.00

[ISO 20056-2:2017](#), Rolling bearings - Load ratings for hybrid bearings with rolling elements made of ceramic - Part 2: Static load ratings, \$103.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 10619-1:2017](#), Rubber and plastics hoses and tubing - Measurement of flexibility and stiffness - Part 1: Bending tests at ambient temperature, \$68.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

[ISO 37153:2017](#), Smart community infrastructures - Maturity model for assessment and improvement, \$138.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 5395-1/Amd1:2017](#), Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 1: Terminology and common tests - Amendment 1: Annex G (Vibration test code - Hand-arm vibration and whole-body vibration), \$19.00

[ISO 11783-1:2017](#), Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 1: General standard for mobile data communication, \$138.00

TRADITIONAL CHINESE MEDICINE (TC 249)

[ISO 20759:2017](#), Traditional Chinese medicine - Artemisia argyi leaf, \$103.00

WATER QUALITY (TC 147)

[ISO 7393-2:2017](#), Water quality - Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-dialkyl-1,4-phenylenediamine, for routine control purposes, \$138.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 26304:2017](#), Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels - Classification, \$138.00

ISO Technical Reports

GEARS (TC 60)

[ISO/TR 10300-30:2017](#), Calculation of load capacity of bevel gears - Part 30: ISO rating system for bevel and hypoid gears - Sample calculations, \$232.00

ISO Technical Specifications

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO/TS 19657:2017](#), Definitions and technical criteria for food ingredients to be considered as natural, \$45.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30107-2:2017](#), Information technology - Biometric presentation attack detection - Part 2: Data formats, \$103.00

[ISO/IEC 23008-12:2017](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format, \$209.00

IEC Standards

ALARM SYSTEMS (TC 79)

[IEC 62820-3-1 Ed. 1.0 b:2017](#), Building intercom systems - Part 3-1: Application guidelines - General, \$117.00

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

[IEC 62810 Ed. 1.0 b:2015](#), Cylindrical cavity method to measure the complex permittivity of low-loss dielectric rods, \$117.00

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

[IEC 62391-1 Ed. 2.0 b:2015](#), Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification, \$317.00

ELECTRIC CABLES (TC 20)

[IEC 62930 Ed. 1.0 en:2017](#), Electric cables for photovoltaic systems with a voltage rating of 1,5 kV DC, \$199.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 63024 Ed. 1.0 b:2017](#), Requirements for automatic reclosing devices (ARDs) for circuit breakers, RCBOs-RCCBs for household and similar uses, \$317.00

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC 60079-0 Ed. 7.0 b:2017](#), Explosive atmospheres - Part 0: Equipment - General requirements, \$387.00

[IEC 60079-29-1 Ed. 2.0 b:2016](#), Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases, \$281.00

[IEC 60079-29-2 Ed. 2.0 b:2015](#), Explosive atmospheres - Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen, \$375.00

[S+ IEC 60079-0 Ed. 7.0 en:2017 \(Redline version\)](#), Explosive atmospheres - Part 0: Equipment - General requirements, \$503.00

[IEC/IEEE 60079-30-2 Ed. 1.0 b:2015](#), Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance, \$352.00

ELECTRICAL ENERGY STORAGE (EES) SYSTEMS (TC 120)

[IEC 62933-2-1 Ed. 1.0 b:2017](#), Electrical energy storage (EES) systems - Part 2-1: Unit parameters and testing methods - General specification, \$281.00

ELECTROSTATICS (TC 101)

[IEC 61340-4-3 Ed. 2.0 b:2017](#), Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear, \$47.00

FIBRE OPTICS (TC 86)

[IEC 61281-1 Ed. 2.0 b:2017](#), Fibre optic communication subsystems - Part 1: Generic specification, \$235.00

[IEC 61754-7-2 Ed. 1.0 en:2017](#), Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-2: Type MPO connector family - Two fibre rows, \$235.00

[IEC 61757-1-1 Ed. 1.0 b:2016](#), Fibre optic sensors - Part 1-1: Strain measurement - Strain sensors based on fibre Bragg gratings, \$281.00

[IEC 60793-1-30 Ed. 2.0 b:2010](#), Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test, \$82.00

[IEC 61755-3-10 Ed. 1.0 b:2016](#), Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-10: Connector parameters of non-dispersion shifted single mode physically contacting fibres - Non-angled, ferrule-less, bore alignment connectors, \$47.00

HYDRAULIC TURBINES (TC 4)

[IEC 62256 Ed. 2.0 b:2017](#), Hydraulic turbines, storage pumps and pump-turbines - Rehabilitation and performance improvement, \$410.00

INSTRUMENT TRANSFORMERS (TC 38)

[IEC 61869-10 Ed. 1.0 b:2017](#), Instrument transformers - Part 10: Additional requirements for low-power passive current transformers, \$281.00

[IEC 61869-11 Ed. 1.0 b:2017](#), Instrument transformers - Part 11: Additional requirements for low power passive voltage transformers, \$235.00

INSULATING MATERIALS (TC 15)

[IEC 60370 Ed. 2.0 b:2017](#), Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes - Electric breakdown methods, \$117.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60400 Ed. 8.0 b:2017](#), Lampholders for tubular fluorescent lamps and starterholders, \$375.00

[IEC 62386-332 Ed. 1.0 b:2017](#), Digital addressable lighting interface - Part 332: Particular requirements - Input devices - Feedback, \$164.00

MAGNETIC ALLOYS AND STEELS (TC 68)

[IEC 60404-1 Ed. 3.0 b:2016](#), Magnetic materials - Part 1: Classification, \$281.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

[IEC 62024-1 Ed. 3.0 en:2017](#), High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor, \$117.00

MEASURING EQUIPMENT FOR ELECTROMAGNETIC QUANTITIES (TC 85)

[IEC 60051-5 Ed. 5.0 b:2017](#), Direct acting indicating analogue electrical measuring instruments and their accessories - Part 5: Special requirements for phase meters, power factor meters and synchrosopes, \$82.00

[IEC 60051-6 Ed. 5.0 b:2017](#), Direct acting indicating analogue electrical measuring instruments and their accessories - Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters, \$82.00

[IEC 60051-7 Ed. 5.0 b:2017](#), Direct acting indicating analogue electrical measuring instruments and their accessories - Part 7: Special requirements for multi-function instruments, \$82.00

[IEC 60051-8 Ed. 5.0 b:2017](#), Direct acting indicating analogue electrical measuring instruments and their accessories - Part 8: Special requirements for accessories, \$82.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 62327 Ed. 2.0 en:2017](#), Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the estimation of ambient dose equivalent rate from photon radiation, \$235.00

[IEC 62401 Ed. 2.0 en:2017](#), Radiation protection instrumentation - Alarming personal radiation devices (PRDs) for the detection of illicit trafficking of radioactive material, \$164.00

[IEC 63147 Ed. 1.0 en:2017](#), Criteria for accident monitoring instrumentation for nuclear power generating stations, \$199.00

OTHER

[IEC 62559-3 Ed. 1.0 en:2017](#), Use case methodology - Part 3: Definition of use case template artefacts into an XML serialized format, \$375.00

PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)

[IEC 61240 Ed. 3.0 b:2016](#), Piezoelectric devices - Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection - General rules, \$117.00

[IEC 63041-1 Ed. 1.0 en:2017](#), Piezoelectric sensors - Part 1: Generic specifications, \$164.00

[IEC 63041-2 Ed. 1.0 en:2017](#), Piezoelectric sensors - Part 2: Chemical and biochemical sensors, \$82.00

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

[IEC 62396-2 Ed. 2.0 en:2017](#), Process management for avionics - Atmospheric radiation effects - Part 2: Guidelines for single event effects testing for avionics systems, \$281.00

ROTATING MACHINERY (TC 2)

[IEC 60034-27-1 Ed. 1.0 b:2017](#), Rotating electrical machines - Part 27 -1: Off-line partial discharge measurements on the winding insulation, \$352.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

[IEC 62841-4-2 Ed. 1.0 b:2017](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers, \$352.00

[IEC 62841-2-14 Ed. 1.0 b:2015](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-14: Particular requirements for hand-held planers, \$117.00

[IEC 62841-3-10 Ed. 1.0 b:2015](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines, \$199.00

[IEC 60335-2-107 Ed. 2.0 b:2017](#), Household and similar electrical appliances - Safety - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers, \$375.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62969-1 Ed. 1.0 en:2017](#), Semiconductor devices - Semiconductor interface for automotive vehicles - Part 1: General requirements of power interface for automotive vehicle sensors, \$82.00

[IEC 60749-12 Ed. 2.0 b:2017](#), Semiconductor devices - Mechanical and climatic test methods - Part 12: Vibration, variable frequency, \$23.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

[IEC 60194-2 Ed. 1.0 en:2017](#), Printed boards design, manufacture and assembly - Vocabulary - Part 2: Common usage in electronic technologies as well as printed board and electronic assembly technologies, \$281.00

[IEC 61190-1-3 Ed. 3.0 b:2017](#), Attachment materials for electronic assembly - Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solder for electronic soldering applications, \$281.00

TERMINOLOGY (TC 1)

[IEC 60050-617 Amd.2 Ed. 1.0 b:2017](#), Amendment 2 - International electrotechnical vocabulary - Part 617: Organization/Market of electricity, \$47.00

[IEC 60050-692 Ed. 1.0 b:2017](#), International electrotechnical vocabulary - Part 692: Generation, transmission and distribution of electrical energy - Dependability and quality of service of electric power systems, \$352.00

WINDING WIRES (TC 55)

[IEC 60317-33 Ed. 2.0 b:2015](#), Specifications for particular types of winding wires - Part 33: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, \$47.00

IEC Technical Reports**FIBRE OPTICS (TC 86)**

[IEC/TR 61292-9 Ed. 2.0 en:2017](#), Optical amplifiers - Part 9: Semiconductor optical amplifiers (SOAs), \$164.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC/TR 63123 Ed. 1.0 en:2017](#), Nuclear power plants - Instrumentation, control and electrical power systems - Guidance for the application of IEC 63147:2017/IEEE Std 497™ -2016 in the IAEA / IEC framework, \$82.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TR 62325-103 Ed. 1.0 en:2017](#), Framework for energy market communications - Part 103: Review of information exchanges within the deregulated European style retail energy market from a CIM perspective, \$387.00

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 AN 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 and 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

Application for Accreditation

Aerospace Industries Association (AIA)

Comment Deadline: January 22, 2018

The Aerospace Industries Association (AIA), an ANSI member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting AIA-sponsored American National Standards. AIA's proposed scope of standards activity is as follows:

Development of standards to support the Aerospace & Defense industry within the subject areas covered by the Aerospace Industries Association. AIA has 5 policy divisions in the areas of Civil Aviation, Space, National Security, International, and Technical Operations & Workforce.

To obtain a copy of AIA's application and proposed operating procedures or to offer comments, please contact: Mr. Christopher Carnahan, Technical Operations & Workforce Division, Aerospace Industries Association, 1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209-3928; phone: 703.358.1052; e-mail: chris.carnahan@aia-aerospace.org. Please submit any comments to AIA by January 22, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of AIA's proposed operating procedures from ANSI Online during the public review period at the following URL: www.ansi.org/accredPR.

Society of Fire Protection Engineers (SFPE)

Comment Deadline: January 22, 2018

The Society of Fire Protection Engineers (SFPE), a new ANSI member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting SFPE-sponsored American National Standards. SFPE's proposed scope of standards activity is as follows:

As the leaders in engineering a fire safe world, SFPE is the largest membership organization for fire protection engineers throughout the globe that crosses all fire safety industry sectors. SFPE is dedicated to defining, developing, and advancing the use of engineering best practices; expanding the scientific and technical knowledge base; and educating the global fire safety community, in order to promote consensus-based standards that increase the effectiveness and productivity of fire safety engineering. Specifically, the SFPE will seek ANSI Accreditation for Standards that provide a framework for the use of performance-based options to the prescriptive-based model building codes and standards

To obtain a copy of SFPE's application and proposed operating procedures or to offer comments, please contact: Mr. Chris Jelenewicz, P.E., Technical Director, Society of Fire Protection Engineers, 9711 Washingtonian Boulevard, Suite 380, Gaithersburg, MD 20878; phone: 301.661.5986; e-mail: chris@sfpe.org. Please submit any comments to SFPE by January 22, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of SFPE's proposed operating procedures from ANSI Online during the public review period at the following URL: www.ansi.org/accredPR.

Reaccreditation

National Fire Protection Association (NFPA)

Comment Deadline: January 22, 2018

The National Fire Protection Association (NFPA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited Regulations Governing the Development of NFPA Standards for documenting consensus on NFPA-sponsored American National Standards, under which it was last reaccredited in July 2017. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Dawn Michele Bellis, Division Manager, Codes and Standards Administration and NFPA Standards Council Secretary, NFPA, One Batterymarch Park, Quincy, MA 02169-7471; phone: 617.984.7246; e-mail: dbellis@nfpa.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to NFPA by January 22, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompo@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 34/SC 17- Management Systems for Food Safety

ANSI has been informed that American Oil Chemists Society (AOCS), the ANSI-accredited U.S. TAG Administrator for ISO/TC 34/SC 17, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 34/SC 17 operates under the following scope:

Standardization in the field of food safety management systems, covering the food supply chain from primary production to consumption, human and animal foodstuffs as well as animal and vegetable propagation materials.

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).

ISO Proposal for a New Field of ISO Technical Activity

Occupational Health and Safety Management

Comment Deadline: January 12, 2018

BSI, the ISO member body for the UK and secretariat of ISO Project Committee 283 (ISO/PC 283), has submitted to ISO a proposal for a new field of ISO technical activity on Occupational Health and Safety Management, with the following scope statement:

Standardization in the field of occupational health and safety management to enable an organization to control its OH&S risks and improve its OH&S performance.

Please note that BSI proposed a new work item proposal on this subject in 2013 which was approved and the standard ISO 45001 (Occupational health and safety management systems -- Requirements with guidance for use) is currently being developed under ISO/PC 283. As stated in the proposal, during the development of ISO 45001 it became apparent that there are currently no other ISO or IEC committees developing generic occupational health and safety standards other than ISO/PC 283, and this proposal seeks to gain support for an ISO/TMB decision to convert the project committee into a technical committee to enable continual maintenance of ISO 45001 and the development of supporting and related standards.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, January 12, 2018.

Meeting Notices

Association of Challenge Course Technology (ACCT) Consensus Group Meeting

The topics that will be discussed at the next meeting of the ACCT Consensus Group are as follows:

- Review and clarify the roles of Consensus Group Members and Officers, ACCT Staff, and Secretariat;
- Review and discuss maintenance and revisions to ACCT 03-2016, as proposed by the ACCT Standards Development Committee.

Meeting Information

Location: Sheraton Downtown Fort Worth
1701 Commerce Street
Fort Worth, TX 76102

Website: <http://www.sheratonfortworth.com>

Meeting Dates: February 4th, 2018

Time: 9:00 am – 5:00 pm CST

This meeting is open to the public. Persons wishing to attend this meeting are required to pre-register by contacting Bill Weaver, ACCT Director of Operations, bill@acctinfo.org, 800-991-0286, extension 2.

Meeting Notice and Call for Members for the New INCITS Technical Committee on Artificial Intelligence (US TAG to JTC 1/SC 42)

Organizational Meeting – January 30-31, 2018

The 1.5 day organizational meeting of INCITS/Artificial Intelligence will be held January 30 (10:00 AM to 5:00 PM) and January 31, 2018 (9:00 AM to 1:00 PM). The meeting will be hosted by Google in Mountain View or Sunnyvale, California. While face-to-face participation is strongly encouraged, WebEx participation will be available for those not able to attend in person. The agenda, details on the meeting venue, related documents and instructions for joining the WebEx meeting will be distributed to organizational representatives requesting membership on the new committee.

Scope of JTC 1/SC 42 - Standardization in the area of Artificial Intelligence:

- Serve as the focus and proponent for JTC 1's standardization program on Artificial Intelligence
- Provide guidance to JTC 1, IEC, and ISO committees developing Artificial Intelligence applications

The INCITS committee will operate under the ANSI-accredited procedures for the InterNational Committee for Information Technology Standards (INCITS); (see INCITS Organization, Policies and Procedures). Additional information can also be found at www.incits.org and <http://www.incits.org/participation/membership-info>.

The complete meeting notice and membership information can be found at

https://standards.incits.org/apps/group_public/document.php?document_id=94314&wg_abbrev=eb

Z10 Meeting Notice

ANSI/ASSE Z10 Committee for Occupational Health and Safety Systems

The ANSI/ASSE Z10 Committee for Occupational Health and Safety Systems will be meeting at ASSE Headquarters in Chicago April 10th to the 13th. The meeting schedule will be provided prior to the meeting. There will be an RSVP site established and announced with registration information later. If you should have any questions about attendance, please contact Tim Fisher with ASSE on behalf of the secretariat: Timothy Fisher, (847) 768-3411, TFisher@ASSE.Org.



BSR/ASHRAE Standard 209P

Public Review Draft

Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings

Third Public Review (December 2017)

(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

BSR/ASHRAE Standard 209P, *Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings*
Third (ISC) Public Review Draft

This is a review of Independent Substantive Changes that were made since the last public review. Areas where substantive changes have been made are **highlighted in gray**. In these areas, text that was removed from the previous public review is provided for reference but is shown in **strikeout** and text that has been added is shown with **underlines**.

Only the changes highlighted in gray are open to comment at this time. All other material is provided for context only and is not open for public review comment except as it relates to the proposed changes.

FOREWORD

ASHRAE Standard 209 describes a methodology to apply building energy modeling to the design process. ASHRAE recognized that building energy simulation is most useful when it can inform the design process to reduce energy use. The standard was created to advance the use of timely energy modeling to quantify how design decisions can affect building energy use when those design decisions are being made.

During the second public review, 8 comments were received from 4 different commenters suggesting changes to many aspects of the standard. The changes in this document reflect deliberation on each of those comments as well as some changes and additions made provided by committee members. Some of the changes include:

- The added language from the second public review for the process energy definition was confusing and was changed back*
- Construction costs were added to the output data reporting*
- Quality assurance reviews are restricted for modeling cycles in Sections 6 and 7 and modeling cycle #11*
- Facility operation was added to the quality assurance review team for modeling cycle #11 reviews*
- How to choose from the peak load reduction strategies was clarified*

The standard defines seven design phase modeling cycles, each with specific modeling goals that are defined and coordinated with phases of the typical design processes, and the standard also defines three modeling cycles that can be applied during construction and operation of the buildings. Each modeling cycle is an extension of a general modeling cycle that can be applied any time during the design process that energy modeling is needed to inform design decisions. In addition, a post-occupancy comparison is included to help both the owner and modeler understand how modeled results compare actual energy performance, and inform assumptions in future modeling projects.

The minimum requirements of the standard can be met by utilizing building energy modeling to evaluate load reduction measures early in the design process, as well as one additional design phase modeling cycle. Other modeling cycles are included for organizations that wish to adopt more robust energy modeling requirements. While the standard can be applied with any design process, it is anticipated to be most effective when included in an integrative design process.

It is expected the standard will be adopted by organizations that certify high performance buildings, utilities, and agencies that provide incentives for low energy buildings and building owners and architects seeking a uniform way to specify a scope of work for energy modeling.

3.2 Definitions

process energy: energy consumed in support of manufacturing, industrial, or commercial processes other than conditioning spaces and maintaining comfort and amenities ~~such as lighting,~~ for the occupants of a building.

5.7.3.3 Output Data Reporting

For the baseline, and for each *project alternative*, report the following annual results:

- a. Total site energy consumption
- b. Total site energy consumption per unit gross floor area
- c. Site energy consumption by *energy end use*
- d. Total energy cost
- e. Consumption by energy source
- f. Cost by energy source
- g. Peak cooling demand and time of occurrence (date, day-of-week, day type, hour)
- h. Peak heating demand and time of occurrence (date, day-of-week, day-type, hour)
- i. Calendar month peak electric demand and time of occurrence (date, day-of-week, day type, hour)
- j. Calendar month peak energy consumption by energy source
- k. Unmet heating and cooling load hours.
- l. Construction cost as determined per Section 5.7.2.5

5.7.4 Quality Assurance

Each Section 6 and 7 modeling cycle shall have two reviews: an input review and an output review. When Modeling Cycle #11 is performed, it shall have an output review.

5.7.4.1 Quality Assurance Review Team

At a minimum, the review team shall include:

- a. Energy modeler
- b. Owner (or Owners Representative)
- c. Architect
- d. Mechanical Designer
- e. Electrical or Lighting Designer
- f. Facility Operator (for Modeling Cycle #11 reviews).

6.3.3.2 Develop a list of at least three peak load reduction strategies selected from one or more of the following categories:

- a. Building envelope (including, but not limited to: insulation level, window-to-wall ratio, glazing performance, shading, infiltration, phase change materials, thermal mass)
- b. Lighting and daylighting
- c. Internal equipment loads
- d. Outdoor air (including, but not limited to: outdoor air flow, exhaust air, energy recovery)
- e. Passive conditioning and natural ventilation.

When internal equipment loads exceed 60% of the building energy end use, at least two of the strategies shall be selected from the internal equipment loads category.

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[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed revised text. ONLY the highlighted text and strikeout text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

**NSF International Standard/
American National Standard –**

Food equipment

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4 Materials

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4.7 Sealants

Sealants shall meet the requirements for the zone of intended use and shall only be used as permitted in 5.4.4, ~~and 5.5.2~~ and 5.34.

Rationale: this cross reference adds specificity to a section previously only cited generally in section 5.4.4

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NSF/ANSI 14-2016b - Plastics piping system components and related materials

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9 Quality assurance

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9.9 Product-specific quality assurance requirements

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Table 9.29 – PVC pressure pipe

Test	Frequency	Frequency	Frequency
dimensions			
pipe OD	2 h	2 h	2 h
pipe wall thickness	2 h	2 h	2 h
regression	qualification	qualification	qualification
sustained pressure	annually	annually	Annually ²
burst	24 h	24 h	-
flattening	8 h	8 h	8 h
extrusion quality	8 h	8 h	8 h
impact	24 h	24 h	24 h
apparent tensile strength			annually
hydrostatic integrity	annually	annually	
product standard(s)	ASTM F1483 AWWA C909 ¹	ASTM F1483	CSA B137.3.1
¹ Pipe compliant to AWWA C909 shall additionally follow the QC requirements of AWWA C909.			
² Testing per per section 5.4 of CSA B137.3.1			

Tracking #40i31r2 et al
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Multiple revisions for 40i31r2, 245i12r2, 350i26r2

Revision to NSF/ANSI 350-2017
Draft 2, Issue 26 (December 2017)

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NSF/ANSI Standard
for Wastewater Treatment Systems —

Residential wastewater treatment systems

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5 Design and construction

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5.4 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at 1.2 m (4 ft) above the ground surface, 6 m (20 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Noise associated with systems designed for indoor operation, measured at 1.2 m (4 ft) above the ground surface, 1 m (3 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

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NSF/ANSI Standard
for Wastewater Treatment Systems —

Wastewater treatment systems – Nitrogen reduction

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5 Design and construction

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5.4 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at 1.2 m (4 ft) above the ground surface, 6 m (20 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

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Revision to NSF/ANSI 350-2017
Draft 2, Issue 26 (December 2017)

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Noise associated with systems designed for indoor operation, measured at 1.2 m (4 ft) above the ground surface, 1 m (3 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

NSF/ANSI Standard
for Wastewater Treatment Systems —

Onsite residential and commercial water reuse treatment systems

5 Design and construction

5.4 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at 1.2 m (4 ft) above the ground surface, 6 m (20 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Noise associated with systems designed for indoor operation, measured at 1.2 m (4 ft) above the ground surface, 1 m (3 ft) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA. ~~These requirements apply both to systems installed inside and outside the building.~~

Rationale: The ballot harmonizes the language in all 3 wastewater standards. It provides for a more stringent test for indoor systems. This is appropriate because system noise inside the home will be much more problematic for the home owner than outdoor system noise. This also makes it possible to complete the noise test on a system installed inside a building for performance testing.

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[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI - 49

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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Annex F (normative)

Field tests

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F.7.3.2.2 Exhaust alarm system – Type A1 or A2 canopy connection

F.7.3.2.2.1 Maintain inflow velocity using canopy connection on Type A1 or Type A2 cabinets:

- a) Shall be tested at time of alarm verification for new or modified installations if using non-NSF listed canopy.
- b) Turn facility exhaust system off. Measure inflow velocity of the cabinet. The exhaust alarm shall activate within 15 s of the facility exhaust being turned off. The measured velocity shall be no less than 8.0 ft/min (0.041 m/s) less than the lowest value for the NSF listed inflow velocity range.

F.7.3.2.2.12 Containment loss of The canopy connection on Type A1 or A2 cabinets:

- a) Shall be tested at time of alarm verification.
- b) Introduce a visible medium source into the canopy air intake(s) while slowly reducing the exhaust volume until there is a loss of capture of the visible medium into the canopy air intake(s). The audible and visual canopy alarms shall respond within 15 s, and the cabinet fan(s) will continue to operate.
- c) Direct connected Type A1 or A2 cabinets shall not be considered in compliance with the standard.

~~NOTE — Direct connected Type A1 or A2 cabinets shall not be considered in compliance with the standard.~~

Rationale: a “NOTE” by definition is informative, not normative. The note written in this section is normative language and should be updated to a new subsection

Tracking Number 49i92r4
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Revision to NSF/ANSI 49-2016
Issue 92, Draft 4 (December 2017)

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3 Definitions

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3.XX. **Modified Canopy Installation:** Installation of any canopy other than a designated acceptable option for a NSF Listed Biosafety Cabinet.

Rationale: This definition was approved during the previous revision ballot, and is presented here only for reference.

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NSF/ANSI Standard

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

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2 Definitions

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2.33 Effective size: The size opening that will just pass 10 percent (by dry weight) of a representative sample of the filter material

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2.145 Uniformity coefficient: A ratio calculated as the size opening that will just pass 60 percent (by dry weight) of a representative sample of the filter material divided by the size opening that will just pass 10 percent (by dry weight) of the same sample.

Subsequent definitions alphabetically positioned after the added terms will have their respective reference numbers increased accordingly.

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12 Filtration media

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12.2.3 Sand and alternate sand-type filter media

Filter media in a sand-type filter shall conform to 3.2, 5.1.8, 5.1.9, 5.3.5, and 12.3 when tested in a representative sand-type filter in accordance with Annex B, sections B.3, B.4 and B.5.

12.2.3.1 The manufacturer of sand and an alternate sand-type filter media shall specify the ~~particle~~ effective size and uniformity coefficient for the media. ~~Particle~~ Effective size and uniformity coefficient evaluation shall be ~~confirmed~~ performed in accordance with ASTM C136 with sieves conforming to ASTM E11. A minimum of 5 data points shall be measured for sizing. The particle size data shall be plotted as a smooth curve, which shall be used to read the sieve opening sizes at which 60% and 10% of particles can pass. The uniformity coefficient and effective size measured shall be $\pm 10\%$ of the claimed uniformity coefficient and effective size, or shall be within the claimed range of uniformity coefficient and effective size, whichever is larger.

12.2.3.2 The filtration rate and backwash rate for sand and alternate sand-type filter media shall be as

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specified in 5.3.9.

12.2.4 Installation and operating instructions

The manufacturer of sand and alternate sand-type media shall provide written instructions for the installation of the media in a filter, including requirements for a different support media; for any specific preparation of the media for operation; and for the operation of filter with the media.

12.2.5 Sand and alternate sand-type media labeling requirements

Sand and alternate sand-type filter media shall contain the following information on the product packaging or documentation shipped with the product:

- manufacturer's name and contact information (address, phone number, website, or prime supplier);
- product identification (product type, and tradename);
- net weight or net volume;
- when applicable, mesh or sieve size;
- Uniformity coefficient for particle size;
- lot number or other production identifier such as a date code;
- when appropriate, special handling, storage and use instructions; and
- the specific certification mark of the certifying organization for certified products.

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BSR/UL 60947-7-4, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors

1. Revision to Clause 3 of the Proposed First Edition of the Standard for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors, UL 60947-7-4.

~~3DV D2 Modification by adding the following to the list of types of terminal blocks:~~

~~- for field and factory wiring or for factory wiring only. In Canada and Mexico this does not apply.~~

3DV.1 D2 Modification by adding the following to the list of types of terminal blocks:

~~- for field and factory wiring or for factory wiring only. In Canada and Mexico this does not apply.~~

3DV.2 D3 Modification to add the following:

In Canada, the general requirements applicable to this Standard are provided in CAN/CSA-C22.2 No. 0.

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BSR/UL 8139, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices

1. This proposed First Edition of the Standard for Electrical Systems of Electronic Cigarettes and Vaping Devices, UL 8139, covers the battery-operated electrical systems that use consumables containing varying compositions of flavorings, propylene glycol, glycerin, and other ingredients, with or without nicotine, which is heated into an aerosol that user inhales. These systems encompass their charging systems, components, parts and accessories.

6.2 A non-metallic material serving as an enclosure of the device shall comply with the Standard for Evaluation of Properties of Polymeric Materials, CAN/CSA-C22.2 No. 0.17, or the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C, and shall have:

- a) Flammability with a minimum rating of V-2 or comply with the test, Flammability - 20 mm (3/4-Inch) Flame, in UL 746C;
- b) Mechanical Relative Thermal Index (RTI) suitable for the application;
- c) Resistance to Moisture Ingress with a minimum IP rating of IPX4, see the Water Exposure Test, Section 27;
- d) Resistance to Impact, see the Drop Test, Section 28;
- e) Crush Resistance not less than 100 lbs (45.4 kg), see the Crushing Resistance Test, Section 29; and
- f) Resistance to Mold Stress Relief Distortion in accordance with the Mold Stress-Relief Distortion Section of CAN/CSA-C22.2 No. 0.17 and UL 746C.

Exception No. 1: This does not apply to non-metallic materials that are part of, or in contact with, consumables.

Exception No. 2: This does not apply to small combustible parts with a mass less than 4 g or with a volume less than 1750 mm³.

14.1 Printed wiring boards shall comply with the Standard for Printed-Wiring Boards, UL 796, for a minimum flame rating of V-1 and mechanical Relative Thermal Index maximum operating temperature suitable for the application as determined by the Temperature Test, Section 25.

Table 16.1
Test summary

Test	Section	Sample size ¹	Ambient ²	Consequence ^{3,4}
Normal Charge	18	5	0, 25	ABCDEFGF
Normal Charge, Fault ⁴	18	-	0, 25	ABCDEFGF
Normal Discharge	19	5	-20, 25	ABCDHIJ
Normal Discharge, Fault ⁴	19	-	-20, 25	ABCDHIJ
Forced Discharge	20	2	-20, 25	ABCDFI

Forced Discharge, Fault ⁴	20	-	-20, 25	ABCD
Imbalanced Charging	21	2	-20, 25	ABCDF
Imbalanced Charging, Fault	21	-	-20, 25	ABCD
Overcharge	22	5	0, 25	ABCDEF
Overcharge, Fault ⁴	22	-	0, 25	AB
Abnormal Charging	23	5	0, 25	ABCDEF
Abnormal Charging, Fault ⁴	23	-	0, 25	ABCD
Short Circuit	24	5	-20, 25	ABCDI
Short Circuit, Fault ⁴	24	-	-20, 25	ABCD
Temperature	25	1	25	See Section 25
Continuous Operation	26	1	25	See Section 26
Water Exposure	27	1	25	ABCD
Drop	28	5	-35	ABCDKL
Crush	29	1	25	ABCDEK
Venting	30	1	25	See Section 30

¹ The number of separate samples needed for a particular test except for single fault conditions. The sample size for single fault conditions is the number of single fault conditions found to be appropriate.

² The test shall be conducted at each ambient indicated. If the device is not operable under low ambient (for example, -20 °C), the test is repeated at the lowest operating ambient temperature specified by the manufacturer. At the manufacturer's discretion, a sample tested for an ambient temperature may be tested again for the other ambient temperature.

-35: Not higher than -35°C (-31°F)

-20: Not higher than -20°C (-4°F)

0: Not higher than 0°C (32°F)

25: 25 ±5°C (77 ±9°F)

³ The test shall not result in any of the consequence identified as follows:

A - Fire

B - Rupture

C - Electrolyte leakage

D - Venting

E - Charging temperature limit exceeding the normal operating region

F - Upper limit charging voltage exceeding the normal operating region

G - Maximum charging current exceeding the normal operating region

H - Discharge temperature limit exceeding cell manufacturer's specification

I - End of discharge voltage exceeding the maximum or minimum

	normal operating region
	<u>J - Maximum discharging current exceeds the normal operating region</u>
	<u>K - Cracks or openings in the enclosure in a way that compromises the integrity of enclosure</u>
	<u>L - The open circuit voltage difference between the dropped cell and the reference (undropped) cell exceeding 5%, see Section 28</u>
⁴ Consequences E, F, G, H, I, and J shall be permitted provided that the device becomes inoperable.	

16.4 Temperature shall be measured using thermocouples consisting of wires not larger than 0.21 mm² (24 AWG) and not smaller than 0.05 mm² (30 AWG) connected to a potentiometer-type instrument. For those tests that require the sample to reach thermal equilibrium (also referred to as steady state conditions), thermal equilibrium is considered to be achieved if, after three consecutive temperature measurements taken at intervals of 10% of the previously elapsed duration of the test, but not less than 15 minutes, indicate no change in temperature greater than $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$). Unless noted otherwise, a cell temperature measurement shall be followed by a 1-hour observation time after reaching room temperature of $25 \pm 5^{\circ}\text{C}$ ($77 \pm 9^{\circ}\text{F}$) prior to concluding the test.

16.11 A USB connection shall comply with Sections ~~49 – 2520 - 23~~ when connected to a constant current supply capable of 5.25 V dc, 8 A delivering output current of 8 A or more at its nominal voltage.

NOTE The nominal voltage of a USB connection may range from 5.25 V dc (USB 3.0) to 20 V dc (USB PD).

16.12 A vehicle battery adapter connection shall comply with Sections ~~49 – 2520 - 23~~ when connected to a constant current supply capable of 12 V dc, 8 A delivering output current of 8 A or more at 12 V dc or 24 V dc.

~~16.13 Where single fault conditions are identified, the test shall be repeated in accordance with the Single Fault Conditions, Section 17.~~

17.2 Each fault condition is to be performed ~~at a time~~ on a single sample. Each fault condition is permitted to be performed on separate samples.

18.2 Each battery shall be fully discharged. Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17.

19.2 Each battery shall be fully charged. Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17. The most unfavorable load condition specified by the manufacturer shall be applied.

19.3 Each battery shall be installed in the device and operated until fully discharged, by a test instrument that is capable of operating at a unit duty cycle for operation is defined as comprising:

- 55 mL \pm 5% puff volume (at room ambient) over four (4) seconds ON ~~with~~ with a constant flow rate, and
- The following six (6) seconds OFF,

Or another more onerous unit duty cycle allowed by the manufacturer that results in a worse thermal profile.

20.4 Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17, in the discharge protection circuit. The total sample size with or without single fault conditions shall not be less than two (2) where at least one sample shall be subjected to the test without single fault conditions.

NOTE If two (2) single fault conditions are considered necessary, then two (2) samples are subjected to the test under each single fault condition identified and an additional sample shall be subjected to the test without single fault conditions, resulting in a total sample size of three (3) samples.

21.3 Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17, in the charging protection circuit. The total sample size with or without single fault conditions shall not be less than two (2) where at least one sample shall be subjected to the test without single fault conditions.

NOTE If two (2) single fault conditions are considered necessary, then two (2) samples are subjected to the test under each single fault condition identified and an additional sample shall be subjected to the test without single fault conditions, resulting in a total sample size of three (3) samples.

22.7 Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17, in the charge protection circuit. The total sample size with or without single fault conditions shall not be less than five (5) where at least one sample shall be subjected to the test without single fault conditions.

23.4 The test is to be continued until the voltage attains the rated output voltage of the power supplies or otherwise the maximum obtainable steady-state charging condition if the rated output voltage cannot be reached due to protection. The cell temperature is monitored for an additional 2 hours unless the test is terminated by consequences noted in Table 16.1.

23.7 Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17, in the charge protection circuit. The total sample size with or without single fault conditions shall not be less than five (5) where at least one sample shall be subjected to the test without single fault conditions.

24.2 A device with a fully charged battery shall be short-circuited by connecting the positive and negative terminals of the sample with a circuit load having a total resistance of less than or equal to 20 mΩ.

24.3 Another device with a fully charged battery shall be overloaded to the maximum obtainable, steady-state discharge current without tripping the protective device.

24.6 Each fault condition is to be performed ~~at a time~~ on a single sample in accordance with the Single Fault Conditions, Section 17, in the discharge protection circuit. The total sample size with or without single fault conditions shall not be less than five (5) where at least one sample shall be subjected to the test of 24.2 and 24.3, respectively, without single fault conditions.

MARKINGS

Advisory Note: In Canada, there are two official languages, English and French. Appendix A provides translations in French of the English safety markings specified in this standard.

Markings required by this standard may have to be provided in other languages to conform to the language requirements of the country where the product is to be used.

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BSR/UL 1026, Standard for Household Electric Cooking and Food Serving Appliances

3. New Supplement SB for hospitality-use electric cooking appliances

PROPOSAL

SB2.2 A hospitality-use cooking appliance shall be assembled such that the enclosure of electrical parts cannot be opened for user servicing with ordinary tools. If tamper-resistant screws are employed to comply with this requirement, they shall comply with the following:

- a) The securing means as determined through trial removal are unlikely to be removed;
- b) The securing means is provided with a tool interface that will not accommodate a slotted, a Phillips, a square, or torx driver, or wrench of any type for removal;
- c) The securing means has a head that cannot be gripped by pliers. A securing means provided with a maximum 0.020-inch (0.50-mm) radius curve height above the exposed outer surface of the appliance to which the securing means is affixed is considered as not capable of being gripped; and
- d) A minimum of two such securing means are provided.

SB4 Grounding

SB4.1 In a hospitality-use cooking appliance, a A conductive connection between separate accessible metal parts that are likely to become energized in a hospitality-use cooking appliance shall be provided.



Standards Action Publishing Schedule for 2018, Volume No. 49

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Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the *SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/19/2017	12/25/2017	Jan-5	2/4/2018	2/19/2018	3/6/2018
2	12/26/2017	1/1/2018	Jan-12	2/11/2018	2/26/2018	3/13/2018
3	1/2/2018	1/8/2018	Jan-19	2/18/2018	3/5/2018	3/20/2018
4	1/9/2018	1/15/2018	Jan-26	2/25/2018	3/12/2018	3/27/2018
5	1/16/2018	1/22/2018	Feb-2	3/4/2018	3/19/2018	4/3/2018
6	1/23/2018	1/29/2018	Feb-9	3/11/2018	3/26/2018	4/10/2018
7	1/30/2018	2/5/2018	Feb-16	3/18/2018	4/2/2018	4/17/2018
8	2/6/2018	2/12/2018	Feb-23	3/25/2018	4/9/2018	4/24/2018
9	2/13/2018	2/19/2018	Mar-2	4/1/2018	4/16/2018	5/1/2018
10	2/20/2018	2/26/2018	Mar-9	4/8/2018	4/23/2018	5/8/2018
11	2/27/2018	3/5/2018	Mar-16	4/15/2018	4/30/2018	5/15/2018
12	3/6/2018	3/12/2018	Mar-23	4/22/2018	5/7/2018	5/22/2018
13	3/13/2018	3/19/2018	Mar-30	4/29/2018	5/14/2018	5/29/2018
14	3/20/2018	3/26/2018	Apr-6	5/6/2018	5/21/2018	6/5/2018
15	3/27/2018	4/2/2018	Apr-13	5/13/2018	5/28/2018	6/12/2018
16	4/3/2018	4/9/2018	Apr-20	5/20/2018	6/4/2018	6/19/2018
17	4/10/2018	4/16/2018	Apr-27	5/27/2018	6/11/2018	6/26/2018
18	4/17/2018	4/23/2018	May-4	6/3/2018	6/18/2018	7/3/2018
19	4/24/2018	4/30/2018	May-11	6/10/2018	6/25/2018	7/10/2018
20	5/1/2018	5/7/2018	May-18	6/17/2018	7/2/2018	7/17/2018
21	5/8/2018	5/14/2018	May-25	6/24/2018	7/9/2018	7/24/2018
22	5/15/2018	5/21/2018	Jun-1	7/1/2018	7/16/2018	7/31/2018
23	5/22/2018	5/28/2018	Jun-8	7/8/2018	7/23/2018	8/7/2018
24	5/29/2018	6/4/2018	Jun-15	7/15/2018	7/30/2018	8/14/2018
25	6/5/2018	6/11/2018	Jun-22	7/22/2018	8/6/2018	8/21/2018
26	6/12/2018	6/18/2018	Jun-29	7/29/2018	8/13/2018	8/28/2018
27	6/19/2018	6/25/2018	Jul-6	8/5/2018	8/20/2018	9/4/2018
28	6/26/2018	7/2/2018	Jul-13	8/12/2018	8/27/2018	9/11/2018
29	7/3/2018	7/9/2018	Jul-20	8/19/2018	9/3/2018	9/18/2018
30	7/10/2018	7/16/2018	Jul-27	8/26/2018	9/10/2018	9/25/2018
31	7/17/2018	7/23/2018	Aug-3	9/2/2018	9/17/2018	10/2/2018



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32	7/24/2018	7/30/2018	Aug-10	9/9/2018	9/24/2018	10/9/2018
33	7/31/2018	8/6/2018	Aug-17	9/16/2018	10/1/2018	10/16/2018
34	8/7/2018	8/13/2018	Aug-24	9/23/2018	10/8/2018	10/23/2018
35	8/14/2018	8/20/2018	Aug-31	9/30/2018	10/15/2018	10/30/2018
36	8/21/2018	8/27/2018	Sep-7	10/7/2018	10/22/2018	11/6/2018
37	8/28/2018	9/3/2018	Sep-14	10/14/2018	10/29/2018	11/13/2018
38	9/4/2018	9/10/2018	Sep-21	10/21/2018	11/5/2018	11/20/2018
39	9/11/2018	9/17/2018	Sep-28	10/28/2018	11/12/2018	11/27/2018
40	9/18/2018	9/24/2018	Oct-5	11/4/2018	11/19/2018	12/4/2018
41	9/25/2018	10/1/2018	Oct-12	11/11/2018	11/26/2018	12/11/2018
42	10/2/2018	10/8/2018	Oct-19	11/18/2018	12/3/2018	12/18/2018
43	10/9/2018	10/15/2018	Oct-26	11/25/2018	12/10/2018	12/25/2018
44	10/16/2018	10/22/2018	Nov-2	12/2/2018	12/17/2018	1/1/2019
45	10/23/2018	10/29/2018	Nov-9	12/9/2018	12/24/2018	1/8/2019
46	10/30/2018	11/5/2018	Nov-16	12/16/2018	12/31/2018	1/15/2019
47	11/6/2018	11/12/2018	Nov-23	12/23/2018	1/7/2019	1/22/2019
48	11/13/2018	11/19/2018	Nov-30	12/30/2018	1/14/2019	1/29/2019
49	11/20/2018	11/26/2018	Dec-7	1/6/2019	1/21/2019	2/5/2019
50	11/27/2018	12/3/2018	Dec-14	1/13/2019	1/28/2019	2/12/2019
51	12/4/2018	12/10/2018	Dec-21	1/20/2019	2/4/2019	2/19/2019
52	12/11/2018	12/17/2018	Dec-28	1/27/2019	2/11/2019	2/26/2019