ANSI STANDARDS ACTION

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Contents

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

ISSN 0038-9633

Comment Deadline: April 28, 2019

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

Addenda

BSR/ASHRAE/ASHE Addendum a to BSR/ASHRAE/ASHE Standard 189.3-201x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)

Proposed addendum reflects the efforts of the cognizant committee to identify and revise the standard as necessary to align with the most current edition of ASHRAE Standard 189.1, Standard for the Design of High-Performance, Green Building Except Low-Rise Residential Buildings.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

Addenda

BSR/ASHRAE Addendum bw to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

There is a need for a simple, universal data exchange format for the transfer of time-series data between various platforms for operations such as analyzing the energy performance of buildings. This addendum adds Time Series Data Exchange Format.

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 14-201x (i102r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

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: jsnider@nsf.org

BSR/NSF 61-201x (i144r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2018)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

Click here to view these changes in full

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

BSR/NSF 173-201x (i76r2), Dietary Supplements (revision of ANSI/NSF 173-2017)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients. In such cases, new methods will be added to this Standard as they become available.

Click here to view these changes in full

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

BSR/NSF 173-201x (i81r2), Dietary Supplements (revision of ANSI/NSF 173-2017)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients. In such cases, new methods will be added to this Standard as they become available.

Click here to view these changes in full

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

BSR/NSF 177-201x (i6r1), Shower Filtration Systems - Aesthetic Effects (revision of ANSI/NSF 177-2014)

It is the purpose of this Standard to establish minimum performance requirements for shower filtration systems including substance reduction performance; materials safety; and design, construction, and structural performance. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 268-201x, Standard for Safety for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2016)

Document dated March 29, 2019 recirculates changes to the following topics from the UL 268 proposal dated October 12, 2018: Item 7, Go/No-Go Flaming Polyurethane Foam Test; Item 8, Detector Air in Excess of 300 fpm; Item 15, Mechanical Push Test for Push-Type Features; and Item 18, Addendum - Minimum Screening Programs in Table D3.1.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (510) 319-4269, Paul.E.Lloret@ul.com

BSR/UL 1026-201X, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 3-29-19) (revision of ANSI/UL 1026-2018)

(1) Revision of requirements for multiple supply cords.

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: May 13, 2019

ASA (ASC S12) (Acoustical Society of America)

New Standard

BSR/ASA S12.2-201x, Criteria for Evaluating Room Noise (new standard)

Provides three primary methods for evaluating room noise: a survey method that employs the A-weighted sound level; an engineering method that employs expanded noise criteria (NC) curves; and a method for evaluating low-frequency fluctuating noise using room noise criterion (RNC) curves.

Single copy price: $130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)

Revision

BSR/ASA S12.9-2005/Part 4-201x, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI/ASA S12.9-2005/Part 4 (R2015))

Specifies methods to assess environmental sounds and to predict the annoyance response of communities to long-term noise from any and all types of environmental sounds produced by one or more distinct or distributed sound sources. The sound sources may be separate or in various combinations. Application of the method of the Standard is limited to areas where people reside and related long-term land uses. Does not address the effects of intrusive sound on people in areas of short-term use such as parks and wilderness areas, nor does it address other effects of noise such as sleep disturbance or health effects. Does not provide a method to predict the community response to short-term, infrequent, non-repetitive sources of sound.

Single copy price: $120.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S619.1 MONYEAR-201x, Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (revision and redesignation of ANSI/ASABE S619-2014)

The purpose of this Standard is to establish the safety requirements for tractor-mounted, boom-type post hole diggers. This Standard applies to boom-type post hole diggers designed and intended for digging vertical, cylindrical holes. This Standard applies to boom-type post hole diggers designed for attachment to the three-point hitch of agricultural tractors as specified in ANSI/ASAE S390, equipped with Category I or Category II three-point linkage as specified in ANSI/ASABE AD730:2009, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

Single copy price: $44.00 (ASABE Members); $65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

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

Addenda

BSR/ASHRAE Addendum bx to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum adds Device Address Proxy functions, i.e., describes a mechanism by which a BACnet router can perform I-Am request proxying for any directly connected BACnet network.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

AWS (American Welding Society)

New Standard

BSR/AWS F4.2-201X, Safety Guidelines for Proper Selection of Welding Cables (new standard)

This document provides guidance on the safe and proper selection of welding cables. This includes identifying specific criteria including minimum copper content, gauge sizing, electrical performance, and resistance for welding cable sizes.

Single copy price: $32.00

Obtain an electronic copy from: steveh@aws.org

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

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

AWS (American Welding Society)

Reaffirmation

BSR/AWS F2.2-2001 (R201x), Lens Shade Selector (reaffirmation of ANSI/AWS F2.2-2001 (R2009))

This chart provides minimum suggested protective lens shades and suggested comfort lens shades for a variety of commonly used welding and cutting processes.

Single copy price: $25.00

Obtain an electronic copy from: steveh@aws.org

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

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

CTA (Consumer Technology Association)

New Standard

BSR/CTA 2076-201x, Inclusive, Audio-based, Network Navigation Systems for All Persons including those Blind/Low Vision (new standard)

This standard specifies requirements for the design of inclusive audio-based network navigation systems (IABNNS), which are technologies used to augment the physical environment by delivering sufficient audio, haptic, visual instructions, or instructions in other formats as may be required. This standard helps design professionals achieve an inclusive environment through IABNNSs that augment the physical environment by the provision of aural information about environments for users. NOTE: This Recommendation does not consider the specialized requirements of people who are deaf or hard of hearing.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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

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

NFPA (National Fire Protection Association)

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. The disposition of all comments received are published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Notices of Intent to Make A Motion on the 2019 Annual Revision Cycle Second Draft Report must be received by the following dates:

April 29, 2019

NFPA 1851
NFPA 1936
NFPA 25
NFPA 855

April 17, 2019

NFPA 451

For more information on the rules and for up−to−date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (http://www.nfpa.org) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

New Standard

BSR/NFPA 451-201x, Guide for Community Healthcare Programs (new standard)

This guide is to provide direction to agencies supporting the EMS mission for planning, preparing, implementing, and evaluating community healthcare programs in an effort to meet the changing needs of the communities they serve.

Obtain an electronic copy from: www.NFPA.org/451next

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

NFPA (National Fire Protection Association)

New Standard

BSR/NFPA 855-201x, Standard for the Installation of Stationary Energy Storage Systems (new standard)

This standard establishes criteria for minimizing the hazards associated with energy storage systems (ESS).

Obtain an electronic copy from: www.nfpa.org855next

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

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 25-201x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2017)

This document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire protection systems and the actions to undertake when changes in occupancy, use, process, materials, hazard, or water supply that potentially impact the performance of the water-based system are planned or identified.

Obtain an electronic copy from: www.nfpa.org/25next

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

BSR/NFPA 1851-201x, Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting (revision of ANSI/NFPA 1851-2014)

This standard shall specify the minimum selection, care, and maintenance requirements for structural fire-fighting protective ensembles and the individual ensemble elements that include garments, helmets, gloves, footwear, and interface components that are compliant with NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting.

Obtain an electronic copy from: www.nfpa.org/1851next

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

BSR/NFPA 1936-201x, Standard on Powered Rescue Tools (revision of ANSI/NFPA 1936-2015)

This standard shall specify the minimum requirements for the design, performance, testing, and product conformance verification of powered rescue tools and components. This standard shall specify the requirements for spreader, ram, cutter, and combination powered rescue tools. This standard shall also specify the requirements for cable assemblies, hose assemblies, and power unit components for powered rescue tools.

Obtain an electronic copy from: www.nfpa.org/1936next

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

NFPA (National Fire Protection Association)

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION
The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. The First Draft Reports contain the disposition of public inputs that were received for documents in the A2020 Revision Cycle.

Comments on the following NFPA Documents in the Annual 2020 Revision cycle must be received by:

May 8, 2019	NFPA 54
	NFPA 59
	NFPA 96
May 16, 2019	NFPA 496
	NFPA 497
	NFPA 499
June 5, 2019	NFPA 3000

The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example, www.nfpa.org/101next), can easily access the document's information page.

For more information on the rules and up−to−date information on schedules and deadlines for processing NFPA Documents, view the NFPA website (http://www.nfpa.org) Those who send comments to NFPA on the related standards are invited to copy ANSI's Board of Standards Review.

New Standard

BSR/NFPA 3000-201x, Standard for an Active Shooter/Hostile Event Response (ASHER) Program (new standard)

The scope of this standard is limited to the necessary functions and actions related to preparedness, response, and recovery from an active shooter/hostile event response (ASHER). This standard applies to any community, authority having jurisdiction (AHJ), facility, and member of any organization who responds to or prepares for ASHER incidents.

Obtain an electronic copy from: www.nfpa.org/3000next

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

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 54-201x, National Fuel Gas Code (revision of ANSI/NFPA 54-2018)

This code is a safety code that shall apply to the installation of fuel gas piping systems, appliances, equipment, and related accessories as shown in 1.1.1.1(A) through 1.1.1.1(F) in this standard.

Obtain an electronic copy from: www.nfpa.org/54next

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

BSR/NFPA 59-201x, Utility LP-Gas Plant Code (revision of ANSI/NFPA 59-2018)

This code shall apply to the design, construction, location, installation, operation, and maintenance of refrigerated and nonrefrigerated utility gas plants including LP-gas containers, piping, and associated process equipment, and controls and fire protection.

Obtain an electronic copy from: www.nfpa.org/59next

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

BSR/NFPA 96-201x, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations (revision of ANSI/NFPA 96-2017)

This standard shall provide the minimum fire safety requirements (preventative and operative) related to the design, installation, operation, inspection, and maintenance of all public and private cooking operations. This standard shall apply to residential cooking equipment used for commercial cooking operations.

Obtain an electronic copy from: www.nfpa.org/96next

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

BSR/NFPA 496-201x, Standard for Purged and Pressurized Enclosures for Electrical Equipment (revision of ANSI/NFPA 496-2017)

This standard applies to purging and pressurizing for the following: (1) Electrical equipment located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70, (2) Electrical equipment containing sources of flammable vapors or gases and located in either classified or unclassified areas, (3) Control rooms or buildings located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70, and (4) Analyzer rooms containing sources of flammable vapors or gases and located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70.

Obtain an electronic copy from: www.nfpa.org/496next

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

BSR/NFPA 497-201x, Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 497-2017)

This recommended practice applies to those locations where flammable gases or vapors, flammable liquids, or combustible liquids are processed or handled; and where their release into the atmosphere could result in their ignition by electrical systems or equipment.

Obtain an electronic copy from: www.nfpa.org/497next

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

BSR/NFPA 499-201x, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 499-2017)

This recommended practice provides information on the classification of combustible dusts and of hazardous (classified) locations for electrical installations in chemical process areas and other areas where combustible dusts are produced or handled.

Obtain an electronic copy from: www.nfpa.org/499next

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

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Revision

BSR/RESNA ED-1-201x, RESNA Standard for Evacuation Devices - Volume 1: Emergency Stair Travel Devices Used by Individuals with Disabilities (revision of ANSI/RESNA ED-1-2013)

This standard covers the terminology, description, performance, inspection, and maintenance of devices whose primary purpose is the travel of individuals with disabilities over stairs and horizontal surfaces during building evacuations. This standard does not cover devices whose purpose is the travel of individuals with disabilities during routine travel on stairs. This standard includes requirements and test methods for determining emergency stair-travel device performance. It also includes requirements for the disclosure of the test results. Emergency evacuation by individuals with disabilities remains a topic of high importance with respect to emergency management. Where the evacuation route includes stairs, use of emergency stair-travel devices may be warranted. These devices vary in design, each offering a combination of benefits to and requirements of the occupants and operators. Further development of the ED-1 Standard is proposed regarding test methods for weight capacity, stability, and maneuverability.

Single copy price: $75.00

Obtain an electronic copy from: ymeding@resna.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Reaffirmation

BSR/TAPPI T 230 om-2013 (R201x), Viscosity of pulp (capillary viscometer method) (reaffirmation of ANSI/TAPPI T 230 om-2013)

This method describes a procedure for determining the viscosity of 0.5% cellulose solutions, using 0.5M cupriethylenediamine (CED) as a solvent and a capillary viscometer. Measurements may be made on bleached cotton and wood pulps. Conventional kraft pulps with up to 4% lignin, as defined by TAPPI T 222 “Acid-Insoluble Lignin in Wood and Pulp” can also be analyzed. The applicability of this procedure to extended delignification pulps has not been determined.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: standards@tappi.org

Send comments (with copy to psa@ansi.org) to: Priscila Briggs, standards@tappi.org

BSR/TAPPI T 282 om-2013 (R201x), Hexeneuronic acid content of chemical pulp (reaffirmation of ANSI/TAPPI T 282 om-2013)

This method describes a procedure to determine hexeneuronic acid groups (HexA) in chemical pulps. HexA affects the kappa number determination by reaction with permanganate, and can react with certain bleaching chemicals, e.g., chlorine dioxide and ozone, but not with some others such as oxygen and peroxide.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: standards@tappi.org

Send comments (with copy to psa@ansi.org) to: Priscila Briggs, standards@tappi.org

BSR/TAPPI T 410 om-2013 (R201x), Grammage of paper and paperboard (weight per unit area) (reaffirmation of ANSI/TAPPI T 410 om-2013)

In the United States, the customary or commercial term for expressing the “weight” per unit area (more properly “mass per unit area”) of paper has been “basis weight,” “ream weight,” or “substance.” These are defined as the mass in pounds of a ream of a given sheet size and number of sheets (usually 500 sheets, occasionally 480 sheets). In most other countries, the mass per unit area is expressed in grams per square meter, g/m2. The French term for mass per unit area, “grammage,” is recommended by ISO Committee TC 6 on Paper for use in English as well as in French because of its convenience and clear relationship to g/m2. The mass per unit area of paperboard has been expressed in the customary system as the mass in pounds per thousand square feet, and in the metric system as grams per square meter (g/m2). The SI metric units, in which grammage (mass per unit area) is expressed in g/m2, are the preferred units for TAPPI Test Methods.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: standards@tappi.org

Send comments (with copy to psa@ansi.org) to: Priscila Briggs, standards@tappi.org

BSR/TAPPI T 496 sp-2013 (R201x), Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials (reaffirmation of ANSI/TAPPI T 496 sp-2013)

This practice is used for the preparation of test specimens for the internal tearing resistance of paper, board, and related materials when a force is applied perpendicular to the machine direction. Materials whose structures are highly directional cannot be properly tested in their cross direction, according to TAPPI T 414 “Internal Testing Resistance of Paper,” because, as a rule, the tear turns toward the machine direction as it proceeds. Consequently, it is usually impossible to make a test tear of such a material truly in the cross direction. This practice has been devised to permit the tear to proceed as it will, but more or less limits the extent of the tear to the prescribed 43 mm. For the sake of uniformity, this procedure may be used to determine the tearing resistance in the machine direction.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: standards@tappi.org

Send comments (with copy to psa@ansi.org) to: Priscila Briggs, standards@tappi.org

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 455-82-C-201x, FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (new standard)

Revise ANSI/TIA-455-82B to: (1) Update the default test length for water penetration samples from 1m to 3m; (2) Update the sample length for retest from 3m to 40m; and (3) Consider the impact of the length change on test duration. Update the treatment of dry water-blocked cable.

Single copy price: $65.00

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.)

New National Adoption

BSR/UL 61010-2-010-201X, Safety for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials (identical national adoption of IEC 61010-2-010 and revision of ANSI/UL 61010-2-010-2015)

This proposal is an adoption of IEC 61010-2-010, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials (fourth edition, issued by IEC February 2019) as a new IEC-based UL standard, UL 61010-2-010 with no U.S. differences. This part of IEC 61010 specifies particular safety requirements of electrical equipment and their accessories, wherever they are intended to be used, whenever the heating of materials is one of the functions of the equipment.

Single copy price: Free

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

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

Comment Deadline: May 28, 2019

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B29.10M-1997 (R201x), Heavy Duty Offset Sidebar Power Transmission Roller Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.10M-1997 (R2009))

This Standard contains information for heavy-duty offset sidebar power-transmission chains and sprocket teeth.

Single copy price: $43.00

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

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

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

ASME (American Society of Mechanical Engineers)

Withdrawal

ANSI/ASME MFC-13M-2006 (R2014), Measurement of Fluid Flow in Closed Conduits - Tracer Methods (withdrawal of ANSI/ASME MFC-13M-2006 (R2014))

This standard covers measurement of fluid flow in closed conduits using tracer methods.

Single copy price: $42.00

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

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

Send comments (with copy to psa@ansi.org) to: Michelle Pagano □, (212) 591-8399, paganom@asme.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 9540A-201x, Standard for Safety for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems (new standard)

The proposed Standard for Safety for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems, UL 9540A, as a Joint National Standard for Canada and the United States. The test methodology in this standard evaluates the fire characteristics of those battery energy storage systems that have demonstrated a capability to undergo thermal runaway. The data generated will be used to determine the fire and explosion protection required for an installation of a battery energy storage system intended for installation, operation and maintenance in accordance with ICC IFC, NFPA 1, NFPA 70, IEEE C2, CAN/CSA C22.2 No. 0, and other codes affecting energy storage systems, and the manufacturer's installation instructions. Fire protection requirements not related to battery energy storage system equipment are covered by appropriate installation codes.

Single copy price: Free

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

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

Projects Withdrawn from Consideration

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

ASTM (ASTM International)

BSR/ASTM WK56738-201x, New Test Method for the Performance of Commercial Hot Food Merchandisers (new standard)

Inquiries may be directed to Corice Leonard, (610) 832-9744, accreditation@astm.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

BPI (Building Performance Institute)

ANSI/BPI 2400-S-2015, Standard Practice for Standardized Qualification of Whole-House Energy Savings Predictions by Calibration to Energy Use History

Questions may be directed to: Susan Carson, (877) 274-1274, standards@bpi.org

Call for Members (ANS Consensus Bodies)

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

ASA (ASC S12) (Acoustical Society of America)

Office: 1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Contact: Caryn Mennigke
Phone: (631) 390-0215
E-mail: asastds@acousticalsociety.org

BSR/ASA S12.2-201x, Criteria for Evaluating Room Noise (new standard)

BSR/ASA S12.9-2005/Part 4-201x, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI/ASA S12.9-2005/Part 4 (R2015))

CTA (Consumer Technology Association)

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

BSR/CTA 2076-201x, Inclusive, Audio-Based, Network Navigation Systems for All Persons Including Those Blind/Low Vision (new standard)

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

Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Contact: Conrad Jahrling
Phone: (708) 995-3017
E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1088-201x, Performance Requirements for Water Softener Regeneration - Brine Reclaim (new standard)

This PINS is to solicit members for the working group, which is not the consensus body within our accredited procedures. However, we are seeking a diverse set of individuals for the project.

NISO (National Information Standards Organization)

Office: 3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Contact: Nettie Lagace
Phone: (301) 654-2512
E-mail: nlagace@niso.org

BSR/NISO Z39.4-201x, Criteria for Indexes (new standard)

NSF (NSF International)

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

BSR/NSF 14-201x (i102r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

BSR/NSF 61-201x (i144r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2018)

BSR/NSF 173-201x (i76r2), Dietary Supplements (revision of ANSI/NSF 173-2017)

BSR/NSF 173-201x (i81r2), Dietary Supplements (revision of ANSI/NSF 173-2017)

BSR/NSF 177-201x (i6r1), Shower Filtration Systems - Aesthetic Effects (revision of ANSI/NSF 177-2014)

PDA (Parenteral Drug Association)

Office: Bethesda Towers, 4350 East-West Highway
Bethesda, MD 20814
Contact: Christine Alston-Roberts
Phone: (301)-656-5900-ext.106
E-mail: roberts@pda.org

BSR/PDA Standard 04-201x, Phage Retention Nomenclature Rating for Small and Large Virus Retentive Filters (new standard)

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Office: 1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903
Contact: Yvonne Meding
Phone: (703) 524-6686
E-mail: YMeding@resna.org

BSR/RESNA ED-1-201x, RESNA Standard for Evacuation Devices - Volume 1: Emergency Stair Travel Devices Used by Individuals with Disabilities (revision of ANSI/RESNA ED-1-2013)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-82-C-201x, FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (new standard)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096
Contact: Alan McGrath
Phone: (847) 664-3038
E-mail: alan.t.mcgrath@ul.com

BSR/UL 61058-2-5-201X, Switches for appliances - Part 2-5: Particular requirements for change-over selectors (national adoption with modifications of IEC 61058-2-5)

BSR/UL 61058-2-6-201X, Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery (national adoption with modifications of IEC 61058-2-6)

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.

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME PASE-2019, Safety Standard for Portable Automotive Service Equipment (revision of ANSI/ASME PASE-2014): 3/25/2019

ANSI/ASME Y14.37-2019, Composite Part Drawings (revision of ANSI/ASME Y14.37-2012): 3/22/2019

ANSI/ASME Y14.41-2019, Digital Product Definition Data Practices (revision of ANSI/ASME Y14.41-2012): 3/22/2019

Stabilized Maintenance

ANSI/ASME B5.9-1967 (S2019), Spindle Noses for Tool Room Lathes, Engine Lathes, Turret Lathes, and Automatic Lathes (stabilized maintenance of ANSI/ASME B5.9-1967 (R2014)): 3/22/2019

ANSI/ASME B5.10-1994 (S2019), Machine Tapers (stabilized maintenance of ANSI/ASME B5.10-1994 (R2013)): 3/22/2019

ANSI/ASME B5.18-1972 (S2019), Spindle Noses and Tool Shanks for Milling Machines (stabilized maintenance of ANSI/ASME B5.18-1972 (R2014)): 3/22/2019

ANSI/ASME B5.40-1977 (S2019), Spindle Noses and Tool Shanks for Horizontal Boring Machines (stabilized maintenance of ANSI/ASME B5.40 -1977 (R2013)): 3/22/2019

CTA (Consumer Technology Association)

Reaffirmation

* ANSI/CTA 2014-B-2011 (R2019), Web-based Protocol and Framework for Remote User Interface on UPnP Networks and the Internet (Web4CE). (reaffirmation of ANSI/CTA 2014-B-2011): 3/22/2019

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1668-2017, Recommended Practice for Voltage Sag and Short Interruption Ride-Through Testing for End-Use Electrical Equipment Rated Less than 1000 V (new standard): 3/22/2019

NEMA (ASC C81) (National Electrical Manufacturers Association)

Revision

* ANSI C81.61-2019, Standard for Electrical Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017): 3/22/2019

* ANSI C81.62-2019, Electric Lampholders (revision of ANSI C81.62-2017): 3/22/2019

* ANSI C81.63-2019, Gauges for Electric Lamp Bases and Lampholders (revision of ANSI C81.63-2007 (R2014)): 3/22/2019

NSF (NSF International)

Revision

ANSI/NSF 170-2019 (i22r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017): 3/22/2019

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 214-4-2018, MPEG DASH for IP-Based Cable Services - Part 4: CIF (Common Interface Format) (new standard): 3/22/2019

ANSI/SCTE 215-1-1-2018, HEVC Video Constraints for Cable Television - Part 1-1: HDR10 Coding (new standard): 3/22/2019

Revision

ANSI/SCTE 215-1-2018, HEVC Video Constraints for Cable Television - Part 1: Coding (revision of ANSI/SCTE 215-1-2015): 3/22/2019

ANSI/SCTE 215-2-2018, HEVC Video Constraints for Cable Television - Part 2: Transport (revision of ANSI/SCTE 215-2-2015): 3/22/2019

ANSI/SCTE 223-2018, Adaptive Transport Stream (revision of ANSI/SCTE 223 -2017): 3/22/2019

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60079-0-2019, Standard for Safety for Explosive Atmospheres - Part 0: General Requirements (national adoption of IEC 60079-0 with modifications and revision of ANSI/UL 60079-0-2013 (R2017)): 3/26/2019

Revision

ANSI/UL 5B-2019, Standard for Strut-Type Channel Raceways and Fittings (revision of ANSI/UL 5B-2014): 2/26/2019

ANSI/UL 870-2019, Standard for Wireways, Auxiliary Gutters, and Associated Fittings (revision of ANSI/UL 870-2016): 3/18/2019

ANSI/UL 1240-2019a, Standard for Safety for Electric Commercial Clothes-Drying Equipment (Proposal dated 2/1/19) (revision of ANSI/UL 1240 -2019): 3/25/2019

ANSI/UL 1653-2019, Standard Safety for Electrical Nonmetallic Tubing (revision of ANSI/UL 1653-2014): 2/15/2019

Project Initiation Notification System (PINS)

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

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

Contact: Steve Barclay, (202) 628-6380, sbarclay@atis.org
1200 G Street NW, Suite 500, Washington, DC 20005

Revision

BSR/ATIS 0300223-201x, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange (revision of ANSI/ATIS 0300223-2014)

Stakeholders: Communications industry.

Project Need: There is a need to update this Standard.

This standard provides the specifications and characteristics of Network Channel (NC) and Network Channel Interface (NCI) codes. This standard contains clauses that cover its purpose and scope and describes format structures and data elements for network channel and network channel interface codes. It also contains definitions and references. Its intended use is to provide a standard that facilitates information exchange among humans and machines.

AWS (American Welding Society)

Contact: Rakesh Gupta, (305) 443-9353 EXT 301, gupta@aws.org
8669 NW 36th Street, # 130, Miami, FL 33166

New National Adoption

BSR/AWS A5.01M/A5.01-2013 (ISO 14344-201x MOD), Welding and Brazing Consumables - Procurement of Filler Materials and Fluxes (identical national adoption of ISO 14344:2010 MOD)

Stakeholders: Welding and Brazing industry.

Project Need: In this edition, clarification has been added for lot classes that impose a 24-hour restriction, the use for brazing filler materials and fluxes is more explicitly addressed, and inspection document types are referenced.

This document provides a means by which the information needed for the procurement of welding and brazing consumables to a filler metal specification can be stated clearly, concisely, and completely. It includes a method by which the heat, lot, testing, and certification requirements that are essential to so many of today's welding and brazing applications can be specified in the procurement document. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

CSA (CSA America Standards Inc.)

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

New National Adoption

BSR/CSA ISO 27916-201x, Carbon dioxide storage using enhanced oil recovery (CO2-EOR) (identical national adoption of ISO 27916)

Stakeholders: Oil and gas operators, utilities, federal and state regulators, consulting engineers, NGOs.

Project Need: The U.S. is a global leader in enhanced oil recovery. As such, key U.S. stakeholders played an important role in the development of ISO 27916. Now that the standard has been published, U.S. stakeholders want to adopt it and make it available to the U.S. marketplace for potential regulatory and project assessment applications.

This standard provides requirements and recommendations for enhanced oil recovery projects using CO2. Specifically, it addresses project documentation, EOR complex description and construction, containment assurance and monitoring, well construction, quantification of associated CO2 storage, record keeping, and project closure. The standard also provides ample CO2-EOR background information, as well as example mass balance calculations. This standard is the first of its kind.

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

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

New Standard

BSR/ASSE 1088-201x, Performance Requirements for Water Softener Regeneration - Brine Reclaim (new standard)

Stakeholders: Cation exchange (water softener) manufacturers, municipal wastewater engineers and authorities having jurisdiction, and NF membrane experts.

Project Need: The purpose of this standard is to establish the methods and requirements to minimize the discharge of effluent resulting from the regeneration process of ion exchange softeners. This effluent consists of hardness salts and concentrated sodium or potassium chloride ("brine"). These chloride salts constitute a major contaminant of fresh water streams, raising the TDS and causing issues in the wastewater treatment plants.

This standard covers membrane component assemblies and systems that are intended to be installed downstream of a water softener's regeneration effluent as a subassembly of a cation exchange system. This device captures and treats a significant concentration of the regeneration effluent and processes it. The resulting concentrate (i.e., waste product) from the device is predominately multivalent ions and water.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Contact: Gerard Winstanley, (703) 841-3231, Gerard.Winstanley@Nema.org
1300 North 17th Street, Suite 900, Rosslyn, VA 22209

Revision

BSR C29.2A-201x, Wet Process Porcelain and Toughened Glass - Transmission Suspension Type (revision of ANSI C29.2A-2013)

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Need to revise the existing standard to current practices.

This standard covers transmission suspension-type insulators, 9 inches (228.6 millimeters) in diameter and larger, made of wet-process porcelain or of toughened glass and used in the transmission of electrical energy.

NFSI (National Floor Safety Institute)

Contact: Laura Cooper, (817) 749-1700 ext. 104, laurac@nfsi.org
P.O. Box 92607, Southlake, TX 76092

New Standard

BSR/NFSI B101.12-201x, Standard Guide for the Application, Selection, and Use of Pedestrian Warnings as Related to the Prevention of Slips, Trips and Falls (new standard)

Stakeholders: General public, medical, consumers, leisure/recreational, commercial, mercantile, household, and manufacturers.

Project Need: To create a standard on what types of warnings signs should be used to alert pedestrians to potential slip or trip hazards, where the warning signs need to be located, how many warning signs are needed, and when they should be removed. The standard will define what constitutes a warning sign.

To set forth the minimum requirements for the proper use, application, selection, and usage of pedestrian warnings and will serve as a guide to end-users, manufacturers, and property owners as to prevent accidental slips, trips, and falls.

NISO (National Information Standards Organization)

Contact: Nettie Lagace, (301) 654-2512, nlagace@niso.org
3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211

New Standard

BSR/NISO Z39.4-201x, Criteria for Indexes (new standard)

Stakeholders: Professional indexers, libraries, publishers (including university presses), indexed database vendors, indexing tool vendors.

Project Need: To specify requirements for index creation for both print and electronic materials.

Specifications for the content, organization, and presentation of indexes used for the retrieval of print and electronic documents and books and parts of documents and books. Includes the principles of indexing, the indexing method used, the medium of the index, and the method of presentation for searching.

PDA (Parenteral Drug Association)

Contact: Christine Alston-Roberts, (301)-656-5900-ext.106, roberts@pda.org
Bethesda Towers, 4350 East-West Highway, Bethesda, MD 20814

New Standard

BSR/PDA Standard 04-201x, Phage Retention Nomenclature Rating for Small and Large Virus Retentive Filters (new standard)

Stakeholders: Filter firms, biotech firms, plasma-derived product manufacturers, quality assurance, process virology, operations, production, manufacturing, MSAT and process development, engineering and maintenance, validation, consultants, regulatory, international health authority reviewers, and inspectors.

Project Need: Virus-retentive filters are a key product safety tool to ensure that biopharmaceuticals and plasma-derived medicines are safe from viral contamination. A standard approach to categorizing virus-retentive filters would be welcomed by the filter industry and would be beneficial to the end users, regulators, and patients. It would help improve biotech and plasma-derived product manufacturing and reduce risk to patients from a viral safety perspective.

In 2005 through 2008, PDA developed a uniform nomenclature rating test and system for both large-virus retentive filters and small-virus retentive filters. The rating system stipulates a set retention of either large (PR772) or small (PP7) bacteriophage, in the context of acceptable protein passage. The major filters on the market at that time passed the rating system. The methods were published as an appendix to TR41, but they are not considered to be official consensus standards under the legal definition of that term. We propose to transition these already specific methods into an American National Standard (ANS) through the American National Standards Institute (ANSI). Send comments to: standards@pda.org

UL (Underwriters Laboratories, Inc.)

Contact: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com
333 Pfingsten Road, Northbrook, IL 60062-2096

New National Adoption

BSR/UL 61058-2-5-201X, Switches for appliances - Part 2-5: Particular requirements for change-over selectors (national adoption with modifications of IEC 61058-2-5)

Stakeholders: Manufacturers of switches for appliances including change-over selectors.

Project Need: To obtain national recognition of a standard covering switches for appliances including change-over selectors.

This International Standard applies to change-over selectors (mechanical or electronic) for appliances actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A. These change-over selectors are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral with or arranged separately, either physically or electrically, from the switch and may involve transmission of a signal, for example electrical, optical, acoustic or thermal, between the actuating member or sensing unit and the switch. Change-over selectors which incorporate additional control functions governed by the switch function are within the scope of this standard. This standard also covers the indirect actuation of the switch when the operation of the actuating member or sensing unit is provided by a remote control or a part of an appliance or equipment such as a door.

BSR/UL 61058-2-6-201X, Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery (national adoption with modifications of IEC 61058-2-6)

Stakeholders: Manufacturers of switches for appliances including switches used in electric-motor-operated hand-held tools, transportable tools, and lawn and garden machinery.

Project Need: To obtain national recognition of a standard covering switches for appliances including switches used in electric-motor-operated hand-held tools, transportable tools, and lawn and garden machinery.

This part of IEC 61058 is a subset based on IEC 61058-1. The clauses outlined below are intended to address the specific requirements for switches incorporated into or integrated with electric motor-operated handheld tools, transportable tools and lawn and garden machinery. This document is intended for switches with an ambient temperature up to and including 55°C. Switches tested according to IEC 61058-1 are considered to comply with this document and additional testing is not required provided ratings, loads, and endurance are correct.

UL (Underwriters Laboratories, Inc.)

Contact: Megan Van Heirseele, (847) 664-2881, Megan.M.VanHeirseele@ul.com
333 Pfingsten Road, Northbrook, IL 60062-2096

New Standard

BSR/UL 2056-201x, Standard for Safety for Lithium-ion Power Banks (new standard)

Stakeholders: Manufacturers of power banks, manufacturers of cells and batteries, other component manufacturers for power banks, suppliers and retailers of power banks, users of power banks, consumers.

Project Need: To obtain national recognition of a standard covering lithium-ion power banks.

This standard specifies requirements and tests for the safety of power banks using lithium-ion batteries as the energy source, their input and output voltages not exceeding 20 Vdc.
NOTE 1: Power banks integrated (removable, not removable) in luggage, carrying cases, bags, packs, etc. are within the scope of this standard.
NOTE 2: Attention is drawn to the fact that for power banks intended to be used on board aircraft, additional requirements may be necessary.
NOTE 3: This standard does not apply to:
- Power banks with jump start function covered by UL 2743;
- Power banks provided as a part of an appliance; and
- Power banks provided as part of a mobility device, including luggage with means of propulsion.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015
Web: www.asabe.org

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

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 628-6380
Web: www.atis.org

AWS
American Welding Society
8669 NW 36th Street
130
Miami, FL 33166
Phone: (305) 443-9353 EXT 301
Web: www.aws.org

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

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

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

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

NEMA (ASC C29)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231
Web: www.nema.org

NEMA (ASC C81)
National Electrical Manufacturers Association
1300 N 17th St Ste. 900
Rosslyn, VA 22209
Phone: (703) 841-3262
Web: www.nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269-9101
Phone: (617) 984-7248
Web: www.nfpa.org

NFSI
National Floor Safety Institute
P.O. Box 92607
Southlake, TX 76092
Phone: (817) 749-1700 ext. 104
Web: www.nfsi.org

NISO
National Information Standards Organization
3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Phone: (301) 654-2512
Web: www.niso.org

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

PDA
Parenteral Drug Association
Bethesda Towers, 4350 East-West Highway
Bethesda, MD 20814
Phone: (301) -656-5900-ext.106
Web: www.pda.org

RESNA
Rehabilitation Engineering and Assistive Technology Society of North America
1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903
Phone: (703) 524-6686
Web: www.resna.org

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

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7249
Web: www.tappi.org

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

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-3038
Web: www.ul.com

ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 81060-2/DAmd1, Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - Amendment 1 - 6/13/2019, $29.00

BASES FOR DESIGN OF STRUCTURES (TC 98)

ISO/DIS 13824, Bases for design of structures - General principles on risk assessment of systems involving structures - 6/9/2019, $134.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 21678, Sustainability in buildings and civil engineering works - Indicators and benchmarks - Principles for the development and use of benchmarks - 6/13/2019, $62.00

ISO/DIS 23387, Building Information Modelling (BIM) - Data templates for construction objects used in the life cycle of any built asset - Concepts and principles - 4/13/2019, $71.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO/DIS 28927-13, Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 13: Fastener driving tools - 11/15/2020, $71.00

COSMETICS (TC 217)

ISO/DIS 24444, Cosmetics - Sun protection test methods - In vivo determination of the sun protection factor (SPF) - 4/13/2019, $125.00

CRANES (TC 96)

ISO/DIS 7296-2, Cranes - Graphical symbols - Part 2: Mobile cranes - 6/8/2019, $58.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 7076-6/DAmd1, Fire protection - Foam fire extinguishing systems - Part 6: Vehicle mounted compressed air foam systems - Amendment 1 - 4/13/2019, $29.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 10100, Hydraulic fluid power - Cylinders - Acceptance tests - 6/9/2019, $53.00

GRAPHICAL SYMBOLS (TC 145)

ISO 7010/DAmd244, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 244: Safety sign P045: No campfires - 4/11/2019, $29.00

ISO 7010/DAmd245, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 245: Safety sign P071: Do not cross barrier - 4/11/2019, $29.00

ISO 7010/DAmd246, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 246: Safety sign P072: No jumping down - 4/11/2019, $29.00

ISO 7010/DAmd247, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 247: Safety sign W068: Warning; Falling into water when stepping on or off a floating surface - 4/11/2019, $29.00

ISO 7010/DAmd248, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 248: Safety sign W069: Warning; Jellyfish - 4/11/2019, $29.00

ISO 7010/DAmd249, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 249: Safety sign W070: Warning; Step down - 4/11/2019, $29.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 19440, Enterprise modelling and architecture - Constructs for enterprise modelling - 4/12/2019, $165.00

ISO/DIS 20242-5, Industrial automation systems and integration - Service interface for testing applications - Part 5: Application program service interface - 6/10/2019, $245.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 16079-2, Condition monitoring and diagnostics of wind turbines - Part 2: Monitoring the drive train - 6/13/2019, $112.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 7886-2, Sterile hypodermic syringes for single use - Part 2: Syringes for use with power-driven syringe pumps - 6/10/2019, $77.00

ISO/DIS 7886-3, Sterile hypodermic syringes for single use - Part 3: Auto-disabled syringes for fixed-dose immunization - 11/15/2027, $67.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 18310-2, Measurement and prediction of the ambient dose equivalent from patients receiving iodine 131 administration after thyroid ablation - Part 2: After release from the hospital - 6/13/2019, $58.00

OTHER

ISO/DIS 14088, Leather - Chemical tests - Quantitative analysis of tanning agents by filter method - 4/11/2019, $53.00

ISO/DIS 13365-1, Leather - Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 1: Total content - 4/12/2019, $46.00

ISO/DIS 13365-2, Leather - Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 2: Extractable content - 4/12/2019, $46.00

ISO/DIS 17234-1, Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants - 4/13/2019, $71.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 536, Paper and board - Determination of grammage - 4/14/2019, $46.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 8222, Petroleum measurement systems - Calibration - Temperature corrections for use when calibrating volumetric proving tanks - 4/12/2019, $134.00

PLASTICS (TC 61)

ISO/DIS 19064-2, Plastics - Styrene-acrylonitrile (SAN) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 4/11/2019, $46.00

ISO/DIS 19066-2, Plastics - Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 4/11/2019, $46.00

ISO/DIS 19935-2, Plastics - Temperature modulated DSC - Part 2: Measurement of accurate specific heat Cp - 6/13/2019, $58.00

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

ISO 21307/DAmd1, Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) piping systems - Amendment 1 - 6/10/2019, $29.00

QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

ISO/DIS 20417, Medical devices - Information to be provided by the manufacturer - 4/12/2019, $155.00

ROAD VEHICLES (TC 22)

ISO/DIS 9021, Motorcycles and mopeds - Controls - Types, positions and functions - 4/15/2019, $58.00

SAFETY OF TOYS (TC 181)

ISO/DIS 8124-3, Safety of toys - Part 3: Migration of certain elements - 6/10/2019, $98.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 22098, Ships and marine technology - Full-scale test method for propeller cavitation observation and hull pressure measurement - 4/12/2019, $58.00

SMALL CRAFT (TC 188)

ISO/DIS 8849, Small craft - Electrically operated bilge pumps - 4/15/2019, $33.00

ISO/DIS 8099-2, Small craft - Waste systems - Part 2: Sewage treatment systems - 6/10/2019, $46.00

SMALL TOOLS (TC 29)

ISO/DIS 21982, Assembly tools for screws and nuts - Ratcheting wrenches - Technical requirements - 4/14/2019, $58.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37161, Smart community infrastructures - Guidance on smart transportation for energy saving in transportation services in cities - 4/12/2019, $67.00

ISO/DIS 37162, Smart community infrastructures - Smart transportation for newly- developing areas - 4/12/2019, $53.00

THERMAL INSULATION (TC 163)

ISO/DIS 16534, Thermal insulating products for building applications - Determination of compressive creep - 4/12/2019, $67.00

ISO/DIS 16546, Thermal insulating products for building applications - Determination of freeze-thaw resistance - 4/12/2019, $46.00

ISO/DIS 29470, Thermal insulating products for building applications - Determination of the apparent density - 4/12/2019, $33.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 13276, Tobacco and tobacco products - Determination of nicotine purity - Gravimetric method using tungstosilicic acid - 6/10/2019, $40.00

ISO/DIS 22634-1, Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS - Part 1: Method using methanol as extraction solvent - 4/14/2019, $58.00

ISO/DIS 22634-2, Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS - Part 2: Method using cyclohexane as extraction solvent - 4/14/2019, $58.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 6533, Forestry machinery - Portable chain-saw front hand-guard - Dimensions and clearances - 6/9/2019, $53.00

WOOD-BASED PANELS (TC 89)

ISO/DIS 12460-3, Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method - 6/13/2019, $62.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 11179-3/DAmd1, Information technology - Metadata registries (MDR) - Part 3: Registry metamodel and basic attributes - Amendment 1 - 4/13/2019, $93.00

ISO/IEC 14496-12/DAmd3, Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 3: Corrected audio handling - 4/14/2019, $33.00

ISO/IEC DIS 14165-226, Information technology - Fibre channel - Part 226: Single-byte command code sets mapping protocol - 6 (FC-SB -6) - 4/14/2019, $215.00

ISO/IEC DIS 14165-246, Information technology - Fibre channel - Part 246: Backbone - 6 (FC-BB-6) - 4/14/2019, $203.00

IEC Standards

2/1952/NP, PNW 2-1952: Rotating electrical machines - Part 27-7: Insulation systems used in rotating electrical machines for sealed and moisture resistant winding type and quality control tests, 2019/6/14

2/1954/CD, IEC TS 60034-27-2 ED2: Rotating electrical machines - Part 27-2: On-line partial discharge measurements on the stator winding insulation of rotating electrical machines, 2019/5/17

17C/706/FDIS, IEC 62271-214 ED1: High-voltage switchgear and controlgear - Part 214: Internal arc classification for metal enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 019/5/3/

22H/242/Q, Proposed corrigendum to IEC 62040-1: Uninterruptible power systems - Part 1: Safety requirements, 019/5/3/

31G/294/CDV, IEC 60079-25 ED3: Explosive atmospheres - Part 25: Intrinsically safe electrical systems, 2019/6/14

31J/287/CD, IEC 60079-17 ED6: Explosive atmospheres - Part 17: Electrical installations inspection and maintenance, 2019/6/14

34A/2132/CDV, IEC 62868-2-1 ED1: Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-1: Particular requirements for semi-integrated OLED modules, 2019/6/14

46F/449/CDV, IEC 63138-2 ED1: Multi radio frequency channel connector - Part 2: Sectional specification for MQ4 series circular connector, 2019/6/14

47E/649/CD, IEC 60747-16-5/AMD1 ED1: Semiconductor devices - Part 16-5: Microwave integrated circuits - Oscillators, 2019/5/17

47E/642/CDV, IEC 60747-19-1 ED1: Semiconductor devices - Part 19 -1: Smart sensors - Control scheme of smart sensors, 2019/6/14

48D/697/CDV, IEC 62966-2/Ed.1.0: Mechanical structures for electrical and electronic equipment - Aisle containment for IT cabinets - Part 2: Details of air flow, air separation and air cooling requirements, 2019/6/14

56/1838/FDIS, IEC 62402 ED2: Obsolescence management, 019/5/3/

57/2087/CD, IEC 62325-451-10 ED1: Framework for energy market communications - Part 451-10: Profiles for energy consumption data (“My Energy Data”), 2019/6/14

57/2068/CDV, IEC 62351-3/AMD2 ED1: Amendment 2 - Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP, 2019/6/14

57/2069/CDV, IEC 62351-8 ED1: Power systems management and associated information exchange - Data and communications security - Part 8: Role-based access control, 2019/6/14

59L/171/FDIS, IEC 60879 ED2: Comfort fans and regulators for household and similar purposes - Methods for measuring performance, 019/5/3/

62D/1682/FDIS, IEC 60601-2-83 ED1: Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment, 019/5/3/

66/691/FDIS, IEC 61010-2-032 ED4: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement, 019/5/3/

66/692/FDIS, IEC 61010-2-033 ED2: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -033: Particular requirements for hand-held multimeters and other meters for domestic and professional use, capable of measuring mains voltage, 019/5/3/

68/626/CD, IEC 60404-11 ED2: Magnetic materials - Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet, 2019/7/12

82/1574/CD, IEC TS 62804-2 ED1: Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation - Part 2: Thin-film, 2019/6/14

89/1473/DTS, IEC TS 60695-5-2 ED3: Fire hazard testing - Part 5-2: Corrosion damage effects of fire effluent - Summary and relevance of test methods, 2019/6/14

101/582/CD, IEC TS 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 2019/5/17

105/727/NP, PNW 105-727: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Fuel cell and battery hybrid power pack systems for performance test of Industrial truck, 2019/6/14

111/515/CDV, IEC 62321-10 ED1: Determination of certain substances in electrotechnical products - Part 10: Polycyclic aromatic hydrocarbons (PAHs) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS), 2019/6/14

119/265/NP, PNW 119-265: Printed Electronics - Part 301-3: Equipment - Contact printing - Rigid master - Measurement method of roll master shape errors, 2019/6/14

121A/291/CD, IEC TS 63208 ED1: Low-voltage switchgear and controlgear - Security aspects, 2019/6/14

121A/286/FDIS, IEC 60947-2/AMD1 ED5: Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, 019/5/3/

Newly Published ISO & IEC Standards

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

ISO Standards

DENTISTRY (TC 106)

ISO 7492:2019, Dentistry - Dental explorer, $68.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO 50045:2019, Technical guidelines for the evaluation of energy savings of thermal power plants, $138.00

ERGONOMICS (TC 159)

ISO 9241-220:2019, Ergonomics of human-system interaction - Part 220: Processes for enabling, executing and assessing human-centred design within organizations, $232.00

FIRE SAFETY (TC 92)

ISO 24678-1:2019, Fire safety engineering - Requirements governing algebraic formulae - Part 1: General requirements, $45.00

ISO 24678-7:2019, Fire safety engineering - Requirements governing algebraic formulae - Part 7: Radiation heat flux received from an open pool fire, $185.00

FOOTWEAR (TC 216)

ISO 20535:2019, Footwear - Test method for insoles and insocks - Dimensional change after cycle of wetting and drying, $45.00

HEALTH INFORMATICS (TC 215)

ISO/IEEE 11073-10419:2019, Health informatics - Personal health device communication - Part 10419: Device specialization - Insulin pump, $232.00

ISO/IEEE 11073-10425:2019, Health informatics - Personal health device communication - Part 10425: Device specialization - Continuous glucose monitor (CGM), $232.00

INDUSTRIAL FANS (TC 117)

ISO 12759-2:2019, Fans - Efficiency classification for fans - Part 2: Standard losses for drive components, $138.00

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

ISO 23251:2019, Petroleum, petrochemical and natural gas industries - Pressure-relieving and depressuring systems, $45.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 5982:2019, Mechanical vibration and shock - Range of idealized values to characterize human biodynamic response under whole-body vibration, $185.00

ISO 18434-2:2019, Condition monitoring and diagnostics of machine systems - Thermography - Part 2: Image interpretation and diagnostics, $138.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 11177:2019, Vitreous and porcelain enamels - Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply - Quality requirements and testing, $45.00

ISO 8289-2:2019, Vitreous and porcelain enamels - Low-voltage test for detecting and locating defects - Part 2: Slurry test for profiled surfaces, $45.00

NICKEL AND NICKEL ALLOYS (TC 155)

ISO 23163:2019, Nickel and nickel alloys - Refined nickel - Sampling, $103.00

NUCLEAR ENERGY (TC 85)

ISO 20046:2019, Radiological protection - Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation, $185.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 9345:2019, Microscopes - Interfacing dimensions for imaging components, $103.00

OTHER

ISO 26082-1:2019, Leather - Physical and mechanical test methods for the determination of soiling - Part 1: Rubbing (Martindale) method, $68.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 22568-1:2019, Foot and leg protectors - Requirements and test methods for footwear components - Part 1: Metallic toecaps, $103.00

ISO 22568-2:2019, Foot and leg protectors - Requirements and test methods for footwear component - Part 2: Non-metallic toecaps, $103.00

ISO 22568-3:2019, Foot and leg protectors - Requirements and test methods for footwear components - Part 3: Metallic perforation resistant inserts, $68.00

ISO 22568-4:2019, Foot and leg protectors - Requirements and test methods for footwear components - Part 4: Non-metallic perforation resistant inserts, $138.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 3405:2019, Petroleum and related products from natural or synthetic sources - Determination of distillation characteristics at atmospheric pressure, $185.00

PLAIN BEARINGS (TC 123)

ISO 12129-1:2019, Plain bearings - Tolerances - Part 1: Fits, $68.00

QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

ISO 18250-6:2019, Medical devices - Connectors for reservoir delivery systems for healthcare applications - Part 6: Neural applications, $45.00

REFRIGERATION (TC 86)

ISO 19967-1:2019, Heat pump water heaters - Testing and rating for performance - Part 1: Heat pump water heater for hot water supply, $162.00

ROAD VEHICLES (TC 22)

ISO 20080:2019, Road vehicles - Information for remote diagnostic support - General requirements, definitions and use cases, $209.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 2303:2019, Isoprene rubber (IR) - Non-oil-extended, solution-polymerized types - Evaluation procedures, $103.00

SAFETY OF MACHINERY (TC 199)

ISO 13851:2019, Safety of machinery - Two-hand control devices - Principles for design and selection, $138.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

IEC/IEEE 80005-1:2019, $285.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 16055:2019, Tobacco and tobacco products - Monitor test piece - Requirements and use, $103.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 2553:2019, Welding and allied processes - Symbolic representation on drawings - Welded joints, $209.00

ISO Technical Reports

INFORMATION AND DOCUMENTATION (TC 46)

ISO/TR 21965:2019, Information and documentation - Records management in enterprise architecture, $185.00

NANOTECHNOLOGIES (TC 229)

ISO/TR 19733:2019, Nanotechnologies - Matrix of properties and measurement techniques for graphene and related two-dimensional (2D) materials, $103.00

ISO Technical Specifications

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/TS 21083-2:2019, Test method to measure the efficiency of air filtration media against spherical nanomaterials - Part 2: Size range from 3 nm to 30 nm, $209.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-11:2019, Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata), $209.00

IEC Standards

AUTOMATIC CONTROLS FOR HOUSEHOLD USE (TC 72)

IEC 60730-2-14 Amd.1 Ed. 2.0 b:2019, Amendment 1 - Automatic electrical controls - Part 2-14: Particular requirements for electric actuators, $23.00

IEC 60730-2-14 Ed. 2.1 b:2019, Automatic electrical controls - Part 2 -14: Particular requirements for electric actuators, $235.00

FIBRE OPTICS (TC 86)

IEC 60794-1-21 Ed. 1.0 b:2015, Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods, $352.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-17 Ed. 3.2 b:2019, Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances, $469.00

IEC 60335-2-17 Amd.2 Ed. 3.0 b:2019, Amendment 2 - Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances, $12.00

IEC 60335-2-54 Ed. 4.2 b:2019, Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam, $235.00

IEC 60335-2-54 Amd.2 Ed. 4.0 b:2019, Amendment 2 - Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam, $12.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)

IEC 61010-1 Amd.1 Ed. 3.0 b cor.1:2019, Corrigendum 1 - Amendment 1 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements, $0.00

IEC 61010-2-011 Ed. 2.0 b:2019, Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -011: Particular requirements for refrigerating equipment, $317.00

S+ IEC 61010-2-011 Ed. 2.0 en:2019 (Redline version), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment, $412.00

IEC Technical Reports

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC/TR 61948-4 Ed. 2.0 en:2019, Nuclear medicine instrumentation - Routine tests - Part 4: Radionuclide calibrators, $47.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

IEC/TR 61000-2-14 Ed. 1.0 b:2006, Electromagnetic compatibility (EMC) - Part 2-14: Environment - Overvoltages on public electricity distribution networks, $281.00

IEC Technical Specifications

SWITCHGEAR AND CONTROLGEAR (TC 17)

IEC/TS 62271-304 Ed. 2.0 b:2019, High-voltage switchgear and controlgear - Part 304: Classification of indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV related to the use in special service conditions with respect to condensation and pollution, $199.00

ISO Technical Specifications

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

S+ IEC/TR 61948-4 Ed. 2.0 en:2019 (Redline version), Nuclear medicine instrumentation - Routine tests - Part 4: Radionuclide calibrators, $61.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

BDAP

Public Review: March 29, 2019 to June 29, 2019

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Accreditation as an ANSI ASD

DirectTrust.org, Inc. (DirectTrust)

ANSI's Executive Standards Council has approved DirectTrust.org, Inc. (DirectTrust), a new ANSI member in August 2018, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on DirectTrust-sponsored American National Standards, effective March 26, 2019. For additional information, please contact: Ms. Natasha Kreisle, Operational Support, DirectTrust, P.O. Box 2885, Blairsville, GA 30514; phone: 404.452.4962; e-mail: Natasha.Kreisle@DirectTrust.org.

Approval of Reaccreditation

ASC C2 – National Electrical Safety Code

ANSI's Executive Standards Council has approved the reaccreditation of ASC C2, National Electrical Safety Code, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ASC C2-sponsored American National Standards, effective March 26, 2019. For additional information, please contact the Secretariat of ASC C2: Ms. Sue Vogel, Senior Manager, NESC, IEEE Standards Association, 445 Hoes Lane, Piscataway, NJ 08855-1331; phone: 732.562.3817; e-mail: s.vogel@ieee.org.

Reaccreditation

American Welding Society (AWS)

Comment Deadline: April 29, 2019

The American Welding Society (AWS), an ANSI member and Accredited Standards Developer (ASD), has submitted revisions to its currently accredited operating procedures for documenting consensus on AWS-sponsored American National Standards, under which it was last reaccredited in 2018. As the 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: Mr. Peter Portela, Director, Standards Development, American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33166; phone: 305.443.9353, ext. 311; e-mail: pportela@aws.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 AWS by April 29, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: Jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 234 – Fisheries and Aquaculture

ANSI has been informed that American Society of Agricultural and Biological Engineers (ASABE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 234, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 234 operates under the following scope:

Standardization in the field of fisheries and aquaculture, including, but not limited to, terminology, technical specifications for equipment and for their operation, characterization of aquaculture sites and maintenance of appropriate physical, chemical and biological conditions, environmental monitoring, data reporting, traceability and waste disposal.

Excluded:

- methods of analysis of food products and traceability (covered by ISO/TC 34);
- personal protective clothing (covered by ISO/TC 94);
- environmental monitoring (covered by ISO/TC 207).

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

New Secretariats

ISO/TC 304 – Healthcare organization management

InGenesis, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 304 secretariat to InGenesis, Inc. The secretariat was previously held by the University of Texas Medical Branch (UTMB) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 304 operates under the following scope:

Standardization in the field of healthcare organization management including: classification, terminology, nomenclature, management practices and metrics that comprise the non-clinical operations in healthcare entities.

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

U.S. Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO TC 304 – Healthcare Organization Management

Comment Deadline: April 29, 2019

InGenesis, Inc. has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 304, Healthcare Organization Management, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Mr. Lee Webster, InGenesis, Inc., 10231 Kotzebue Street, San Antonio, TX 78217; phone: 210.366.0033, ext. 333; e-mail: lsyd@earthlink.net (please copy jthompso@ansi.org). Please submit your comments by April 29, 2019.

Meeting Notices

Acoustical Society of America

ANSI-Accredited Standards Committees S1 – Acoustics; S2 – Mechanical Vibration and Shock; S3 – Bioacoustics; S3/SC 1 – Animal Bioacoustics; and S12 – Noise; along with the ANSI-Accredited U.S. Technical Advisory Groups for ISO/TC 43 – Acoustics; ISO/TC 43/SC 1 – Noise; ISO/TC 43/SC 3 – Underwater Acoustics; ISO/TC 108 – Mechanical Vibration, Shock and Condition Monitoring; ISO/TC 108/SC 2 – Measurement and Evaluation of Mechanical Vibration and Shock as Applied to Machines, Vehicles, and Structures; ISO/TC 108/SC 4 – Human Exposure to Mechanical Vibration and Shock; ISO/TC 108/SC 5 – Condition Monitoring and Diagnostics of Machine Systems; and IEC/TC 29 – Electroacoustics

ANSI-Accredited Standards Committees S1 Acoustics; S2 Mechanical Vibration and Shock; S3 Bioacoustics; S3/SC 1 Animal Bioacoustics; and S12 Noise; along with the ANSI-Accredited U.S. Technical Advisory Groups for ISO/TC 43 Acoustics; ISO/TC 43/SC 1 Noise; ISO/TC 43/SC 3 Underwater acoustics; ISO/TC 108 Mechanical vibration, shock and condition monitoring; ISO/TC 108/SC 2 Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles, and structures; ISO/TC 108/SC 4 Human exposure to mechanical vibration and shock; ISO/TC 108/SC 5 Condition monitoring and diagnostics of machine systems; and IEC/TC 29 Electroacoustics, will meet on May 13-14, 2019, in conjunction with the 177th Meeting of the Acoustical Society of America at The Galt House, Louisville, Kentucky. All meetings are open to the public.

For additional information, including specific meeting times, please contact the ASA Standards office at (631) 390-0215 or e-mail asastds@acousticalsociety.org. Details regarding lodging, transportation, etc., can be found on the Acoustical Society of America's website at https://acousticalsociety.org/asa-meetings/.

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

Meeting Format: In person, in Northbrook, IL (Chicago metro area).

Purpose: Resolve comments for draft Technical Report (TR) 706; continue work on draft TR 906. Plan goals for meetings set for remainder of year.

Day/Date/Time: Tuesday, May 14, 2019, 10 AM – 5 PM, Central time

For More Information: Contact Carole Franklin, cfranklin@robotics.org.

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

Meeting Format: In person, in Northbrook, IL (Chicago metro area).

Purpose: Resolve comments for R15.08 Part 1, Guidance to Manufacturers; refine Part 1 to ballotable status following the meeting. Set meetings and goals for rest of year.

Day/Date/Time: Thursday, May 16, 2019, 8:00 AM – 5:00 PM, Central time; and Friday, May 17, 2019, 8:00 AM – 12:00 Noon, Central time.

For More Information: Contact Carole Franklin, cfranklin@robotics.org.

B11 Standards, Inc.

B11.TR8 Subcommittee – Inspection and Maintenance of Risk Reduction Measures

The B11.TR8 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its next in-person meeting on 15-17 July 2019 at Bridgestone in Nashville, TN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.TR8 Subcommittee deals with the guidance for inspection and maintenance of machinery risk reduction measures.

The purpose of this meeting is to continue developing the new ANSI Technical Report. This meeting is open to anyone with an interest in machinery safety, particularly as it relates to general safety requirements and risk assessment / risk reduction for machines, and who wishes to participate in standards development.

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

B11.5 Subcommittee – Ironworkers

The B11.5 Subcommittee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its second in-person meeting on 16-17 July 2019 at Link Systems in Nashville, TN. The B11 Committee is an ANSI-Accredited Standards Committee on machine safety, and the B11.5 Subcommittee deals with the safety requirements of ironworker machines.

The purpose of this meeting is to continue revising the 1988 ANSI standard. This meeting is open to anyone with an interest in machinery safety, particularly as it relates to general safety requirements and risk assessment / risk reduction for machines, and who wishes to participate in standards development.

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

B11 Accredited Standards Committee

The ANSI B11 Accredited Standards Committee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its semi-annual meeting on 18-19 July 2019 at Bridgestone in Nashville, TN.

The B11 is an ANSI Accredited Standards Committee on machine safety, and the purpose of this meeting is to discuss ongoing issues and the business of the B11 ASC. This meeting is open to anyone with an interest in safety and the safe use of machines, however, any voting will be restricted to full members of this Committee.

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

Plastics Industry Association Meeting Notices

Robots/IMM Machines

The Robots/Injection Molding Machine Safety Committee, sponsored by the Secretariat (PLASTICS), will hold its next meeting on 24-25 April 2019 at the Plastics Industry Association in Washington, DC.

The purpose of this meeting is to continue discussing a revision of ANSI/SPI B151.127-2013 – Safety Requirements for Safety Requirements for the Integration of Robots with Injection Molding Machines. This meeting is open to anyone with an interest in plastic injection molding machine safety, particularly as it relates to integration, maintenance and use of robots with these machines, and who wishes to participate in standards development.

Extrusion Machines

The Extrusion Machine Safety Committee, sponsored by the Secretariat (PLASTICS), will hold its next meeting on 12-13 June 2019 at Davis-Standard in Pawcatuck, CT.

The purpose of this meeting is to continue discuss the revision of ANSI/SPI B151.7-2014 – Safety Requirements for Extrusion Machines, and in particular, as it relates to readying the standard for use as a template for an ISO standard in ISO/TC270 /WG2. This meeting is open to anyone with an interest in plastic extrusion machine safety and who wishes to participate in standards development.

If you have an interest in participating in either of these meetings or would like more information, please contact David Felinski at dfelinski@b11standards.org or 832-446-6999.

Information Concerning

Call for U.S. TAG Administrators

TC 72 – *Textile Machinery and Accessories*

There is currently no ANSI-accredited U.S. TAG Administrator for TC 72, TC 72/SC 1, TC 72/SC 3, TC 72/SC 5, TC 72/SC 8, and TC 72/SC 10, and therefore ANSI is not a member of these committees. The Secretariats for these committees are currently held by Switzerland (SNV) for TC 72, TC 72,SC 1, and TC 72/SC 10; and Germany (DIN) for TC 72/SC 3, TC 72/SC 5, and TC 72/SC 8.

TC 72 operates under the following scope:

Standardization of textile machinery, parts thereof and of accessories; machinery for dry-cleaning and industrial laundering and parts thereof and of accessories.

TC 72/SC 1 operates under the following scope:

Spinning preparatory, spinning, twisting and winding machinery and accessories

TC 72/SC 3 operates under the following scope:

Machinery for fabric manufacturing including preparatory machinery and accessories

TC 72/SC 5 operates under the following scope:

Industrial laundry and dry-cleaning machinery and accessories

TC 72/SC 8 operates under the following scope:

Safety requirements for textile machinery

TC 72/SC 10 operates under the following scope:

Common standards

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

BSR/ASHRAE/ASHE Addendum a
to ANSI/ASHRAE/ASHE Standard 189.3-2017

Public Review Draft

Proposed Addendum a to Standard 189.3-2017, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities

First Public Review (March 2019)
(Draft shows Proposed Changes to Current Standard)

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).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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

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

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum is part of the continuous maintenance process to maintain coordination with ASHRAE standards. This addendum reflects the SSPC 189.3 committee's efforts to identify the revisions necessary to align the standard with the most current edition of ASHRAE Standard 189.1, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings.

Significant changes include the following:

- *In Section 6, "Water Use Efficiency", the provisions of this entire section become mandatory, and a requirement for water bottle filling stations has been added. An exception related to Standard 189.1, Section 6.3.8, "Dual Water Supply Plumbing", has been provided.*
- *In Section 7, "Energy Efficiency", the exception to Section 7.3.4, "Peak Load Reduction" has been carried over and coordinated with this provision becoming mandatory. Section 7.4.1.1, "On-Site Renewable Energy Systems" has been removed; users should refer to Standard 189.1 for compliance. In coordination with the integration of regulated and unregulated electric load components, in Section 7.5.1, "Annual Energy Cost", the annual energy cost performance option applies the equation from Standard 189.1; however, the Section 7.5.1 "Annual Energy Cost", and 7.5.2, "Annual Carbon Dioxide Equivalent (CO_2e) shall apply building performance factors as provided in the revised Table 7.5.2A, "Energy Cost and CO_2e Building Performance Factors (BPF)".*
- *In Section 8, "Indoor Environmental Quality (IEQ)", an informative note has been added to assist the user in properly applying the reference FGI information related to Section 8.3.3, "Acoustical Control".*
- *In Section 10, an exception related to the Indoor Environmental Quality Survey is provided.*
- *Section 12, "Normative References", has been revised to include ASHRAE Standard 90.1-2016 and Standard 189.1-2017, along with the 2018 versions of the FGI guidelines.*

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Modify Section 6 as shown. The remainder of Section 6 is unchanged.

6. WATER USE EFFICIENCY

[…]

6.2. Compliance. The water systems shall comply with the provisions of Section 6 of Standard 189.1 except as specifically deleted, excepted, modified, or enhanced in accordance with Sections 6.3 through 6.4. Site water use and building water use are not required to use the same option, i.e., Prescriptive or Performance, for demonstrating compliance. <u>All provisions of Section 6 are mandatory provisions.</u>

[…]

6.3.2.1 Plumbing Fixtures and Fittings

k. **<u>Water Bottle Filling Stations</u>**. <u>Water bottle filling stations shall be an integral part of, or adjacent</u>

to, not less than 50% of all drinking fountains installed indoors on the premises.

Table 6.3.2.1 Plumbing Fixtures and Fittings Requirements

Plumbing Fixture	Maximum
Water closets (toilets)—flushometer single-flush valve type	Single flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—flushometer dual-flush valve type	~~Effective dual~~ Full-flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—single-flush tank type	Single flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—dual-flush tank type	~~Effective dual~~ Full-flush volume of 1.28 gal (4.8 L)
Urinals	Flush volume 0.5 gal (1.9 L)
Public and hand-washing lavatory faucets	Flow rate—0.5 gpm (1.9 L/min)
Public metering self-closing faucet	0.25 gal (1.0 L) per metering cycle
Resident, patient bathroom lavatory sink faucets	Flow rate—1.5 gpm (5.7 L/min)
Resident kitchen faucets; staff lavatory	Flow rate—~~2.2~~ 1.8 gpm (8.3 L/min)
Resident, Staff showerheads	Flow rate—2.0 gpm (7.6 L/min)
Resident shower compartment (stall) in dwelling units and guest rooms	Flow rate from all shower outlets total of 2.0 gpm (7.6 L/min)

[…]

6.3.2.3 HVAC Systems and Equipment

Exception to 6.3.2.3(~~c~~d): Air-conditioning units greater than 65,000 Btu/h (19 kW) with a sensible heat ratio of 0.80 or greater.

~~**6.4 Prescriptive Option**~~

~~**6.4.2.3**~~**6.3.2.6 Medical and Laboratory Facilities**

h. Medical equipment may use once-through (open-loop) cooling with potable water in emergency backup cooling systems or where local requirements mandate but not as the primary cooling system. The primary cooling system in these critical applications shall be a closed-loop system. Such emergency back-up cooling systems shall only be used in the event that the primary closed-loop cooling equipment has failed and such a failure is visually and audibly indicated at the point of use and alarmed at a continuously monitored location.

~~**6.3.4**~~ **6.3.3 Special Water Features**

Exception to 6.3.3(a) ~~6.4.3(a)~~:

2. Where water features present a risk to immune-compromised people, as determined by Infection Control Risk Assessment, potable water is allowed for start-up and make-up water.

Informative Note: The unnumbered exception to Section 6.3.3(a) ~~6.4.3(a)~~ in Standard 189.1 also applies and for the purpose of this document is considered Exception 1.

6.3.8 Dual Water Supply Plumbing

Exception to 6.3.8:

3. This requirement shall not apply to health care facilities.

Modify Section 7 as shown. The remainder of Section 7 is unchanged.

7. ENERGY EFFICIENCY

[…]

7.3 Mandatory Provisions

7.3.4 Peak Load Reduction. Peak load reduction capabilities of Standard 189.1 shall not be required.

7.4 Prescriptive Option

[…]

~~**7.4.1.1 On-Site Renewable Energy Systems.** Building projects shall comply with either the standard renewables approach in Section 7.4.1.1.1 or the higher efficiency equipment requirements defined in the alternate renewables approach in Section 7.4.1.1.2 of Standard 189.1. Where Section 7.4.1.1.1 is used, helicopter landing areas shall be excluded from the calculation of gross roof area for on-site renewable energy systems. Where Section 7.4.1.1.2 is used, on-site renewable energy shall not be required.~~

7.4.2.~~8~~9 Orientation

7.5 Performance Option

~~**7.5.1 General Comprehensive Performance Requirements.** Projects shall comply with Sections 7.5.2 or 7.5.3.~~

~~7.5.2~~ 7.5.1 Annual Energy Cost

a. For a new building project, the proposed building performance cost index shall be determined in accordance with Standard 189.1, Section 7.5.1, "Annual Energy Cost" ~~building project shall have an annual energy cost equal to or less than~~ with the baseline building performance factor taken from ~~multiplied by one minus the percentage reduction in~~ Table 7.5.2A.

[…]

~~7.5.3~~ 7.5.2 Annual Carbon Dioxide Equivalent (CO_2e). For a new building project, ~~demonstrate that~~ the proposed design shall have an annual CO_2e ~~is less than or~~ equal to or less than the annual CO_2e of the baseline building ~~performance rating. The proposed~~ design ~~shall have an annual CO_2e equal to or less than the annual CO_2e of the baseline building design~~ multiplied by ~~one minus the percentage reduction in~~ the building performance factor target determined from Table 7.5.2A using the performance rating method in Standard 90.1, Normative Appendix G. To determine the actual CO_2e for each energy source in the baseline building design and proposed design, the energy consumption shall be multiplied by the CO_2e emission factors from Standard 189.1, Table 7.5.2B.

Table 7.5.2A Energy Cost and CO_2e Building Performance Factors (BPF)

Building Area Type	Climate Zone																
	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Healthcare/ Hospital	0.64	0.56	0.60	0.56	0.60	0.06	0.54	0.57	0.05	0.55	0.59	0.52	0.55	0.57	0.52	0.56	0.56
Residential Healthcare	0.73	0.07	0.71	0.69	0.74	0.73	0.68	0.78	0.81	0.81	0.76	0.80	0.81	0.76	0.79	0.74	0.80

~~**Table 7.5.2A Annual Energy Cost**~~

~~**Building Type**~~	~~**Percent Reduction, %**~~
~~Hospitals~~	~~5~~
~~Other health care buildings~~	~~10~~

Modify Section 8 as shown. The remainder of Section 8 is unchanged.

8. INDOOR ENVIRONMENTAL QUALITY (IEQ)

8.1 Scope. This section specifies requirements for indoor environmental quality, including indoor air quality, environmental tobacco smoke control, outdoor air delivery monitoring, thermal comfort, building entrances, acoustic control, ~~day~~lighting, quality, and low-emitting materials.

[…]

8.3 Mandatory Provisions

8.3.1 Indoor Air Quality. The building shall comply with Standard 170. ~~, Sections 6 through 8.~~ When a requirement is provided below, this supersedes the requirements in Standard 170.

~~**8.3.1.1 Minimum Ventilation Rates**~~

~~a. Standard 170, Table 7.1, shall be used to design each mechanical ventilation system in the building.~~

~~**8.3.1.2**~~**8.3.1.1 Outdoor Air Delivery Monitoring**

Exception to 8.3.1.4.1~~8.3.1.3(b)~~: In health care facilities, only the requirements of Standard 170 shall apply.

Exception to 8.3.1.10~~8.3.1.7~~:

2. All rooms in hospitals. All rooms in health care occupancies subject to automatic control of HVAC and lighting as required in Sections 7 and 8.

[…]

8.3.3~~.2 Interior Sound~~ Acoustic Control

Informative Note: Interior wall and floor/ceiling assemblies separating interior rooms and spaces shall be designed to comply with FGI *Guidelines for Design and Construction of Hospitals ~~and Outpatient Facilities~~*, reference Section 1.2-6.1 ("Acoustic Design"), FGI *Guidelines for Design and Construction of Outpatient Facilities*, reference Section 1.2-6.1 9 ("Acoustic Design"), and FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, reference Section 1.2-5.2 ("Acoustic Planning") and Section 2.5-8 ("Acoustic Design Systems").

Modify Section 9 as shown. The remainder of Section 9 is unchanged.

9. ~~THE BUILDING'S IMPACT ON~~ MATERIALS AND RESOURCES

[…]

9.3 Mandatory Provisions

9.3.1 Indoor Air Quality.

9.3.1.1 Diversion. A minimum of 75% of nonhazardous construction and demolition waste material generated prior to the issuance of the final certificate of occupancy shall be diverted from disposal in landfills and incinerators by reuse, recycling, repurposing, and/or composting. Excavated soil and land-clearing ~~Land-clearing~~ debris and construction and demolition (C&D) materials used in alternative daily cover shall not count toward the 75% diversion requirement.

Modify Section 10 as shown. The remainder of Section 10 is unchanged.

10. CONSTRUCTION AND PLANS FOR OPERATION

[…]

10.3 Mandatory Provisions

10.3.1.2 Building Project Commissioning Process. Commissioning shall comply with the provisions of Standard 189.1. See Informative Appendix J, Section J3, for additional information.

[…]

10.3.2.1.5 Indoor Environmental Quality Survey

Exception to 10.3.2.1.5: This requirement shall not apply to health care facilities.

Modify Section 12 as shown. The remainder of Section 12 is unchanged.

12. NORMATIVE REFERENCES

Reference	Title	Section
ASHRAE **1791 Tullie Circle NE** **Atlanta, GA 30329** **United States** **1-404-636-8400** **http://www.ashrae.org**		
ANSI/ASHRAE Standard 62.1-2013	Ventilation for Acceptable Indoor Air Quality	Foreword
ANSI/ASHRAE/IES Standard 90.1-2016~~2013~~	Energy Standard for Buildings Except Low-Rise Residential Buildings	3.1, 5.3.3.1, 7.3.1, 7.4.3, 7.4.3.4, 7.4.3.6, 7.4.3.8, 7.4.6, 7.5.2
ANSI/ASHRAE/ASHE Standard 170-2017~~2013~~	Ventilation of Health Care Facilities	7.4.3, 7.4.3.8 Exception, 8.3.1, 8.3.1.1
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017~~2014~~	Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings	4.1, Sections 5 through 10, Section 12
Facility Guidelines Institute (FGI) **350 N. Saint Paul St., Suite 100** **Dallas, TX 75201** **United States** **800-242-2626** **http://www.fgiguidelines.org**		
Version 2018~~2014~~	Guidelines for the Design and Construction of Hospitals~~ and Outpatient Facilities~~	8.3.3.2, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.4.2.5, 8.4.2.6, 11.3.4

Reference	Title	Section
Version 2018	Guidelines for the Design and Construction of Outpatient Facilities	8.3.3.2, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.4.2.5, 8.4.2.6, 11.3.4
Version 2018~~2014~~	Guidelines for the Design and Construction of Residential Health, Care, and Support Facilities	8.3.3.2, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.4.2.5, 8.4.2.6, 11.3.4

BSR/ASHRAE Addendum *bw* to
ANSI/ASHRAE Standard 135-2016

Public Review Draft

Proposed Addendum *bw* to Standard 135-2016, BACnet® - A Data Communication Protocol for Building Automation and Control Networks

Second Public Review (March 2019)
(Draft shows Proposed Changes to Current Standard)

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).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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

[This foreword and the "rationales" on the following pages are not part of this standard. They are merely informative and do not contain requirements necessary for conformance to the standard.]

FOREWORD

The purpose of this addendum is to present a proposed change for public review. These modifications are the result of change proposals made pursuant to the ASHRAE continuous maintenance procedures and of deliberations within Standing Standard Project Committee 135. The proposed changes are summarized below.

135-2016*bw*-1. Add Time Series Data Exchange File Format, p. 3

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135-2016 and Addenda is indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout. Only this new and deleted text is open to comment at this time. All other material in this document is provided for context only and is not open for public review comment except as it relates to the proposed changes.

The use of placeholders like X, Y, Z, X1, X2, N, NN, x, n, ?, etc., should not be interpreted as literal values of the final published version. These placeholders will be assigned actual numbers/letters only after final publication approval of the addendum.

135-2016*bw*-1. Add Time Series Data Exchange File Format

Rationale

There is a need for a simple, universal data exchange file format for the transfer of a time-series data between various platforms for operations such as analyzing the energy performance of buildings.

[Change **Clause 3.3,** p.7]

3.3 Abbreviations and Acronyms Used in this Standard

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CRC	cyclic redundancy check
CSV	*comma-separated values, as defined by RFC 4180*
D' '	denotes that decimal notation is used between the single quotes

. . .

[Insert new entry to **Clause 25**, preserving the alphabetical order, p. 932]

IETF RFC 4180, Common Format and MIME Type for Comma-Separated Values (CSV) Files, Internet Engineering Task Force

[Add new **Annex XX**, p. 1348]

ANNEX XX – TIME SERIES DATA EXCHANGE FILE FORMAT (NORMATIVE)

(This annex is part of this standard and is required for its use.)

Collected trend data has value in many third-party applications, including building energy optimization using energy information systems, trend analysis for one-time building assessments, continuous commissioning, and fault detection and diagnostics. To facilitate standard exchange of this data, its format in text files is defined here.

This format is designed for export from databases in servers or workstation-class computers with user interfaces. It is not intended to replace the BACnet ReadRange service in devices or the queryable history services provided by BACnet Web Services.

This file format defines a series of records, each with a single time stamp associated with value(s) for one or more sources selected by the user. The number of sources present in a single file is a local matter and is limited only by the capabilities of the generating software and the intended consuming software.

XX.1 File Format

Trend data shall be exported as UTF-8 text files in CSV format as specified by RFC 4180, with columns comprised of a timestamp and associated data values. Note that RFC 4180 specifies the rules for quoting when fields contain commas or quotes and the requirements for line terminations.

The header line shall be present to describe the data in each column. Subsequent rows shall contain the time stamp in column one and the associated data values in other columns. Rows shall be in ascending order of date and time.

The column name for column one shall be "DateTime". The names for the other columns shall be nonempty printable strings, each limited to 80 characters.

The timestamp column shall use the format defined by XML Schema xs:dateTime, Fractional seconds are optional. However, the time zone indicator is required.

XX.2 Representation of Data

Each data value shall be represented as a string that is appropriate for the data type, and shall be formatted as if returned in 'plain text' from the services described in Clause W.9, plus the requirements for quoting specified by RFC 4180. Only primitive data types can be represented. The following table summarizes the requirements made by Clause W.9, which in turn references clauses in Annex Q and Annex Y.

Source Data Type	Serialization Type	Examples	Notes
BitString	xs:string	fault fault;overridden <empty string>	A semicolon separated list of the names of the bits that are true. i.e., an empty string means that all bits are false. See Clause Y.12.11
Boolean	xs:boolean	true false	
Date	xs:date	2018-01-24	
Date with unspecified value	xs:string	----/--/--	See Clause W.9
DatePattern	xs:string	*-01-24 2018-01-* *-*-*	See Clause Y.12.14
DateTime	xs:dateTime	2018-01-24T08:56:00+01:00 2018-01-24T07:56:00.00Z	Time zone indicator is required for CSV files
DateTime with unspecified value	xs:string	----/--/--T--:--:--Z	See Clause W.9
DateTimePattern	xs:string	2018-01-24 10:*:*.* *-*-* 3 10:00:00.00 *-*-* *:*:*.*	See ClauseY.12.16
Double	xs:double	123456789.00	
Enumerated	xs:string	high idle	See Clause Y.12.12
Integer	xs:integer	1234	
Link	xs:string	http://example.com/abc	
ObjectIdentifier	xs:string	calendar,12	See Clause Y.20.1
ObjectIdentifierPattern	xs:string	calendar,*	See Clause Y.20.2
OctetString	xs:hexBinary	0103CAFEBABE99 0103cafebabe99	
Raw	xs:hexBinary	0103CAFEBABE99 0103cafebabe99	
Real	xs:float	1234.56	
String	xs:string	hello world "hello, world"	Embedded commas need to be quoted in CSV
StringSet	xs:string	foo;bar;baz	See Clause Y.12.10.
Time	xs:time	12:05:22 12:05:22.55	Fractional seconds is optional
Time with unspecified value	xs:string	--:--:--	See Clause W.9
TimePattern	xs:string	10:24:*.* *:*:*.*	See Clause Y.12.18
Unsigned	xs:nonNegativeInteger	1234	
WeekNDay	xs:string	"1,1,*"	See Clause Y.20.3

Missing data shall be represented by a string consisting of a question mark followed by a space followed by a decimal error number defined by Table W-14. See Clause W.40.

XX.3 File Generation

As an example implementation, a system for collecting or archiving trends could provide a menu in the user interface of the system that allows the export of trend data in a standardized format. The export function would incorporate options to limit the data exported to certain time periods and/or to certain trend sources. The means of specifying what to export is a local matter.

A properly formatted value shall be present for each source for each time stamp. If a value for a source is not available for a particular timestamp, an error string, as specified in Clause XX.2, shall be present in that column. It is a local matter what "available" means. As an example implementation, the generating software could have user selectable options for whether to interpolate or otherwise generate an appropriate value for a given time stamp.

The names of the columns shall be under user control within the limitations specified by Clause XX.1. The generating software shall, by default, enforce that the column names are unique within the file, unless explicitly overridden by the user.

The name of the exported file is a local matter with the exception that either the user shall be given the opportunity to name the file or the name of trend source shall be incorporated into the file name so as to make it recognizable to the user and unique among other exported files.

XX.4 Example Files

Example of a simple single-value CSV file:

```
DateTime,B8-Plant-CH3-CHWS-Temp-F
2019-06-16T13:01:02-08:00,42.0
2019-06-16T13:06:02-08:00,42.5
2019-06-16T13:11:02-08:00,42.3
```

Example of a CSV file with multiple values and empty bitstrings:

```
DateTime,B8-Plant-CH3-CHWS-Temp-F,Status_Flags,Running
2019-06-16T21:01:02Z,42.0,,active
2019-06-16T21:06:02Z,0.0,fault;alarm,active
2019-06-16T21:11:02Z,42.3,,active
```

Example of a CSV file with a missing value:

```
DateTime,SomeData1,SomeData2
2019-06-16T21:01:02Z,74.0,75.5
2019-06-16T21:06:02Z,? 24,75.7
2019-06-16T21:11:02Z,74.2,75.3
```

[Add a new entry to **History of Revisions**, p. 1364]

HISTORY OF REVISIONS

...	...	...
1	X	**Addendum *bw* to ANSI/ASHRAE Standard 135-2016** Approved by ASHRAE on MONTH DAY, 20XX; and by the American National Standards Institute on MONTH DAY, 20XX. 1. Add Time Series Data Exchange File Format

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

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

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Table 9.12 – PVC pipe test frequency

Test	Potable water[1]	DWV	DWV (3.25" OD)	DWV cellular core	Sewer	Well casing[2]
acetone	annually	—	annually	annually	annually	—
bond	—	—	—	weekly	—	—
burst pressure	24 h[3]	—	—	—	—	—
deflection load and crush	—	annually	annually	—	—	annually
cellular structure	—	—	—	annually	—	—
dimensions						
pipe outside diameter	2 h	2 h	2 h	2 h	2 h	2 h
pipe wall thickness	2 h	2 h	2 h	2 h	2 h	2 h
pipe out-of-roundness	2 h	2 h	2 h	2 h	2 h	2 h
flattening resistance	annually	—	annually	annually	annually	—
impact resistance @ 0 °C (32 °F)[3]	—	—	—	—	—	24 h
impact @ 22.8 °C (73 °F)[3]	24 h	24 h	24 h	24 h	24 h	—
joint tightness	—	—	—	—	annually	—
stiffness	—	annually	annually	annually	annually	annually
sustained pressure	annually	—	—	—	—	—
tup puncture resistance	—	—	—	—	—	annually
product standard(s)	ASTM D1785 ASTM D2241	ASTM D2665	ASTM D2949	ASTM F891 ~~ASTM D3128~~ ASTM F3128	ASTM D2729 ASTM D3034 ASTM F679	ASTM F480

[1] 23 °C (73 °F) impact applies only to products produced under ASTM D2241 as referenced in 2 of this Standard.

[2] Impact testing shall be in accordance with ASTM F480 as referenced in Section 2 of this Standard and the specified impact classification of IC-1, IC-2, or IC-3.

[3] If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.

[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted and strike-through text are within the scope of this ballot.]

NSF/ANSI Standard
for Drinking Water System Components – Health Effects

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4 Pipes and related products

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4.7.2 Products other than pipe

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4.7.2.2 Products other than fire sprinklers

The SA_F shall be calculated from the assumed length of pipe corresponding to the segment of the system in which the product is used (e.g., 100 ft of pipe in the service line or 280 ft of pipe in the residence). The $V_{F(static)}$ component of the *N1* term shall be the volume of water contained within the assumed length of pipe. For fittings, the actual inner diameter of the pipe used with the fittings shall be used to calculate both SA_F and $V_{F(static)}$. PVC, CPVC and PP transition fittings with stainless steel or copper alloy inserts (except for stainless steel or copper alloy inserts intended for use with PEX tubing), unions and repair couplings are specfically excluded from this evaluation.

For PVC, CPVC and PP transition fittings with stainless steel or copper alloy inserts (except for stainless steel or copper alloy inserts intended for use with PEX tubing), unions and repair couplings, the SA_F shall be the wetted surface area of a single product. The $V_{F(static)}$ component of the *N1* term shall be the volume of water a single product contains when filled to capacity, except that $V_{F(static)}$ shall equal 1 L (0.26 gal) for all products that contain less than 1 L (0.26 gal) of water when filled to capacity.

> NOTE — These products shall be evaluated in this manner because the materials (stainless steel or copper alloy or repair coupling material) will not repeat within the piping system. When a material does repeat within the system, it shall be evaulated as a pipe or fitting, as appropriate. PVC, CPVC and PP transition fittings with a stainless steel or copper alloy insert intended for use with PEX tubing are excluded because the remainder of the PEX system may also be plumbed with stainless steel or copper alloy fittings. Thus, the stainless steel or copper alloy material would repeat throughout the PEX system.

Rationale: Stainless steel added per 2018 DWA-SC JC meeting discussion (November 29, 2018) because it is also used as an inert material in these products and the same normalization assumptions apply.

NSF International Standard
for Dietary Supplements —

Dietary supplements

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5 Product requirements

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5.6 Proteins

Protein content~~, for products that claim protein at greater than 5% daily value,~~ shall be verified in accordance with 5.2.2, and exclude quantifiable non-protein nitrogen-containing substances (e.g., free amino acids, taurine, creatine, alkaloids, etc.) that may be present in the product.

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NSF International Standard
for Dietary Supplements —

Dietary supplements

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5 Product requirements

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5.3.4 ~~Aristolochic acid~~ Botanical constituents

5.3.4.1 Aristolochic acid

Dietary ingredients and finished products shall not contain botanicals in the Aristolochiaceae family (e.g., species in the following genera: *Aristolochia*; *Asarum*~~; Asiphonia; Hexastylis~~; *Thottea*; etc.) unless such materials or products are confirmed to be free of aristolochic acid at a limit of detection of 0.5 ppm.

Dietary ingredients and finished products containing any botanicals listed in Annex A shall be confirmed to be free of aristolochic acid at the above-stated limit of detection according to 7.4.

~~5.3.5~~ 5.3.4.2 Pyrrolizidine alkaloids (PAs)

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Annex A
(normative)

Table A1 - List of botanicals which require testing for aristolochic acid~~[1]~~

~~‡*Aristolochia* spp.~~	~~‡*Asarum forbesii*~~
~~‡*Aristolochia acuminata*~~	~~‡*Asarum heterotropoides*~~
~~‡*Aristolochia argentina*~~	~~‡*Asarum sieboldii*~~
~~‡*Aristolochia baetica*~~	~~*Akebia* spp.~~
~~‡*Aristolochia bracteata*~~	~~**Akebia quinata*~~

~~[1] The source of this table is *FDA Alert: Aristolochic Acid: Listing of Botanical Ingredients of Concern* <http://www.fda.gov/Food/DietarySupplements/Alerts/ucm095283.htm>. The lists provided by FDA have been revised where needed for taxonomic accuracy. One additional species, *Clematis terniflora* var. *mandshurica*, is included here as it, along with *C. chinensis* and *C. hexapetala*, is an acceptable source of Radix et Rhizoma Clematidis (Chinese Pharmacopoeia Commission. *Pharmacopoeia of the People's Republic of China*, Volume I. Beijing: People's Medical Publishing House. 2005. Listed as *C. manshurica*).~~

~~†*Aristolochia chilensis*~~	~~**Akebia trifoliata*~~
~~†*Aristolochia cinnabarina*~~	~~†*Thottea siliquosa* (syn. *Bragantia wallichii*)~~
~~†*Aristolochia clematitis*~~	~~*Clematis* spp.~~
~~†*Aristolochia contorta*~~	~~**Clematis armandii*~~
~~†*Aristolochia cymbifera*~~	~~**Clematis chinensis*~~
~~†*Aristolochia debilis*~~	~~**Clematis hexapetala*~~
~~†*Aristolochia elegans*~~	~~**Clematis terniflora* var. *mandshurica*~~
~~†*Aristolochia esperanzae*~~	~~**Clematis montana*~~
~~†*Aristolochia fangchi*~~	~~*Clematis uncinata*~~
~~†*Aristolochia fimbriata*~~	~~*Cocculus* spp.~~
~~†*Aristolochia indica*~~	~~*Cocculus carolinus*~~
~~†*Aristolochia kaempferi*~~	~~*Cocculus hirsutus*~~
~~†*Aristolochia kwangsiensis*~~	~~*Cocculus indicus*~~
~~†*Aristolochia macrophylla*~~	~~*Cocculus laurifolius*~~
~~†*Aristolochia manshuriensis*~~	~~*Cocculus leaeba*~~
~~†*Aristolochia maurorum*~~	~~*Cocculus madagascariensis*~~
~~†*Aristolochia maxima*~~	~~**Cocculus orbiculatus* (syn. *C. trilobus*)~~
~~†*Aristolochia mollissima*~~	~~*Cocculus palmatus*~~
~~†*Aristolochia pistolochia*~~	~~*Cocculus pendulus*~~
~~†*Aristolochia rigida*~~	~~*Cocculus thunbergii*~~
~~†*Aristolochia rotunda*~~	~~*Diploclisia affinis* (syn. *D. chinensis*)~~
~~†*Aristolochia serpentaria*~~	~~*Menispermum dauricum*~~
~~†*Aristolochia watsonii*~~	~~**Saussurea costus* (syn. *S.lappa*)~~
~~†*Aristolochia westlandii*~~	~~*Sinomenium acutum* (syn. *Cocculus diversifolius*)~~
~~†*Aristolochia zollingeriana*~~	
~~†*Asarum canadense*~~	~~*Stephania* spp.~~
~~†*Asarum himalaicum*~~	~~**Stephania tetrandra*~~
~~†*Asarum splendens*~~	~~**Vladimiria souliei*~~

~~NOTE – The potential for aristolochic acid contamination in an herb listed in this table is highly variable. Those marked with a dagger symbol (†) are species in the Aristolochiaceae family and should be assumed to contain aristolochic acid unless scientifically valid analysis shows otherwise. Authoritative references (e.g., Upton R., *Characterization of selected plants that may contain or be adulterated with aristolochic acid.* Scotts Valley: American Herbal Pharmacopoeia, 2006) have confirmed that those marked with an asterisk(*) have some history of substitution with one or another species of *Aristolochia*. The other listed taxa included here because they have been identified by FDA as "botanicals which may be adulterated with aristolochic acid," but may not be likely to contain this contaminant. The specific contamination and adulteration risk factors that apply in a certain situation should be considered in the development of specifications according to good manufacturing practices.~~

†*Aristolochia* spp. (all species)	†*Asarum* spp. (all species)
**Cocculus orbiculatus*	†*Thottea siliquosa*

NOTE – The species marked with a dagger symbol (†) are species in the Aristolochiaceae family and should be assumed to contain aristolochic acid (FDA Import Alert 54-10) unless scientifically valid analysis shows otherwise. The species marked with an asterisk(*) has some history of substitution with one or another species of *Aristolochia* (Upton R., *Characterization of selected plants that may contain or be adulterated with aristolochic acid.* Scotts Valley: American Herbal Pharmacopoeia, 2006).

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[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.]

NSF International Standard / American National Standard –

Shower Filtration Systems – Aesthetic Effects

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

APHA, Standard Methods for the Examination of Water and Wastewater, twentieth edition[1]

NSF/ANSI 330, *Glossary Of Drinking Water Treatment Unit Terminology*

US EPA-600/4-79-020, Methods for the Chemical Analysis of Water and Wastes, March 1983[2]

US EPA-600/R-94/111, Methods for the Determination of Metals in Environmental Samples, Supplement 1, May 1994[4]

US EPA-90/020, Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1, July 1990[4]

US EPA Guidelines Establishing Test Procedures for the Analysis of Pollutants, 40 CFR Part 136 [3]

US EPA National Primary Drinking Water Regulations, 40 CFR Part 141[5]

US EPA Safe Drinking Water Act, 42 USC s/s 300f et seq. (1974) as amended in 1986[5]

~~USFDA Code of Federal Regulations, Title 21, (Food and Drugs) Direct Food Additive Substances Parts 170 through 199, April 1, 1992~~[4]

21 CFR §. Parts 170-199. Food and Drugs[4]

Rationale: Reference updated and reformatted to be consistent with all applicable NSF standards.

[1] American Public Health Association (APHA), 800 I Street, NW, Washington, DC 20001

[2] US EPA, Environmental Monitoring and Support Laboratory, Cincinnati, OH 45268

[3] Superintendent of Documents, US Government Printing Office, Washington, DC 20402

[4] US FDA, 5600 Fishers Lane, Rockville, MD 20857

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7 Elective performance claims – test methods

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7.2.3 Influent challenge water

A public water supply shall be ~~used with the following specific characteristics maintained throughout the test:~~treated by deionization (DI) or reverse osmosis (RO) followed by deionization and have a conductivity of less than 2 µS/cm. A test tank shall be filled with the RO/DI or DI water.

All chemical additions shall take place after the test tank is filled with the DI or RO/DI water, or while the test tank is being filled. Use reagent or USP grade chemicals for all additions to adjust the DI or RO/DI water to meet the following specific characteristics:

Parameter	**Specification**	**Chemical addition**
pH	~~7.5 ± 0.5~~ 7.75 ± 0.25	HCl or NaOH
alkalinity	80 ± 20 mg/L (as $CaCO_3$)	$NaHCO_3$
hardness	110 ± 10 mg/L (as $CaCO_3$)	$CaCl_2$[1]
temperature	40 ± 2 °C (104 ± 4 °F)	—
~~total dissolved solids (TDS)~~	~~200 – 500 mg/L~~	
total organic carbon (TOC)	~~≥ 1.0 mg/L~~ 1.5 ± 0.5 mg/L	chlorinated tannic acid[2]
turbidity	< 1 NTU	no addition
free available chlorine	2 mg/L ± 0.2 mg/L	NaOCl
~~chloramines, total~~	~~< 0.1 mg/L~~	

[1] $CaCl_2$ added as anhydrous or as other hydrated form.

[2] See Normative Annex 1 (N1) for preparation method.

~~If a public water supply that meets these specific characteristics is not available, a water supply may be modified using~~ Use the following methods to meet the requirements:

a) Alkalinity adjustment:

Dissolve enough sodium bicarbonate, $NaHCO_3$, to achieve the required concentration of alkalinity.

b) TOC adjustment:

TOC shall be added as chlorinated tannic acid which is prepared per the method described in Normative Annex 1 (N1). Dissolve enough chlorinated tannic acid (CTA) to achieve the required concentration of total organic carbon (TOC).

c) Hardness Adjustment:
Dissolve enough calcium chloride to achieve the required concentration of hardness.

~~a~~ d) pH adjustment:

The pH shall be increased by adding sodium hydroxide (NaOH). The pH shall be decreased by adding hydrochloric acid (HCl).

NOTE - After final pH adjustment and all chemical additions, analyze for alkalinity to confirm the final concentration. Add additional HCL or sodium bicarbonate to meet the required alkalinity concentration while maintaining the required pH specification.

~~b)~~ ~~TDS adjustment:~~

~~The TDS concentration shall be increased by adding sodium chloride (NaCl). The TDS concentration shall be decreased by blending with deionized water.~~

e~~d~~) FAC adjustment:

The FAC shall be increased by the addition of bleach (sodium hypochlorite). ~~The FAC shall be decreased by treatment with media and not with the use of a reductive chemical addition.~~

~~d) chloramine adjustment:~~

~~If a water supply requires the removal of chloramines to meet the requirements, the entire molecule (chlorine and ammonium ion) shall be removed from the water supply to prevent the reformation of chloramines during the addition of bleach.~~

f) Analyze free available chlorine, pH, and temperature at each sampling point. Analyze free available chlorine, pH, temperature, turbidity, TOC, and alkalinity for each tank of challenge water. It is recommended that a batch tank of challenge water not be used for longer than 24 h.

~~If deionized water is required to meet the specific characteristics of this section, the TOC requirement shall be waived and 80 mg/L sodium bicarbonate may be added to stabilize the pH.~~

Normative Annex 1

Preparation of TOC solution using tannic acid

N1.1 Scope and purpose

This procedure outlines the method for preparing a chlorinated tannic acid concentrate to be used to fulfill the TOC requirement.

N1.2 Method summary

Tannic acid is slowly dissolved in 6% to 12% bleach (sodium hypcholorite) to partially chlorinate the tannic acid to improve the stability of the TOC and simulate chlorinated NOM in municipal waters.

N1.3 Safety

N1.3.1 Good laboratory practices (GLP) must be adhered to at all times (the wearing of lab coat, gloves, and safety glasses) to prevent accidental personal contamination and/or exposure to hazardous waste.

N1.3.2 **THIS IS A VERY EXOTHERMIC REACTION!** Caution must be taken to control the heat generated.

N1.3.2.1 Take care when weighing out the dry tannic acid to avoid creating tannic dust in the air.

N1.3.2.2 Use an ice bath to keep the temperature below 30 °C. Place a thermometer in the solution to monitor the temperature throughout the procedure.

N1.3.2.3 Add the tannic acid slowly over time to ensure the ice bath can dissipate the heat properly.

N1.4 Apparatus and equipment

—large 6 L plastic bucket;

—water bath, something large enough to contain the reaction vessel with room enough for a ring of ice water;

—stir plate and stir bar;

—thermometer able to read between 20 °C and 100 °C +/- 3 °C;

—stir rod; and

—filtering apparatus with Whatman #3 filters or equivalent.

N1.5 Reagents

—tannic acid (CAS 1401-55-4), reagent grade; and

—6% to 12% bleach solution

N1.6 Solution preparation

a) Pour 3.5 L of bleach into a 6 L or larger container and place the container in an ice bath.

b) Fill the ice bath with ice water to 3/4 of the way up the reaction container.

c) Place a large stir bar into the container and place the set-up on stir plate. Start the stir plate.

d) Set up a thermometer in the bleach so you can constantly monitor the temperature of the reaction. Keep the temperature below 30 °C.

e) Weigh out 7.75g of tannic acid per % of bleach concentration (6% = 46.5g, 12% = 93g) and slowly start adding it to the bleach in about 10 g increments every 5 to 10 min. Addition may be more rapid as long as the temperature does not exceed 30 °C. The reaction volume may be adjusted as desired as long as the ratio of tannic acid / % bleach is maintained (7.75g per % of bleach concentration).

f) Stir the solution occasionally to dissolve the tannic acid that floats on the top.

g) After all the tannic acid is added, allow the solution to stir for about 20 min. If the solution is yellow, add small amounts of tannic acid (1- 2 g) and stir until the solution color changes to brown. The brown color indicates a slight excess of unreacted tannic acid. Yellow indicates the complete chlorination of tannic acid and unreacted chlorine present.

h) When the reaction is complete turn off the stir plate and allow the undissolved organic matter to settle to the bottom.

i) Set up the large filter funnel with Whatman #3 filter paper or equivalent in a ventilated hood.

j) Use vacuum filtration to filter the chlorinated tannic acid solution.

k) Analyze the resulting solution to determine the concentration of TOC.

Rationale: Updated test water parameters per recommendation by the DWTU Task Group on Shower Filtration Systems. The test water is being revised to minimize the variance seen in filter performance of free available chlorine (FAC) reduction at different laboratories using slightly different challenge waters (presented at 2018 JC meeting).

BSR/UL 268, Standard for Safety for Smoke Detectors for Fire Alarm Systems

PROPOSALS

7. Go/No-Go Flaming Polyurethane Foam Test

I5.3 Acceptance criteria

I5.3.1 When conducting the Cooking Nuisance test, the four smoke detector samples located at the 10 ft location shall not produce an alarm signal as specified in ~~I.2~~ I4.1, but all four samples located at the 10 ft location shall produce an alarm signal once the 5 %/ft OBS acceptance criteria defined in ~~I.2~~ I2.4 has been achieved.

8. Detector Air in Excess of 300 fpm

40.3 ~~In the United States only –~~ For detector velocities in excess of 300 fpm, the detector shall be tested to Fire Tests (Section 36) in the Standard for Smoke Detectors for Duct Application, UL 268A and section 74, Air Duct Detectors (Canada only).

15. Mechanical Push Test for Push-Type Features

67A Mechanical Push Test for Push-Type Features

67A.1 This test shall be conducted on smoke detectors with a functional feature (i.e., test button, strobe test button, etc.) greater than 12.7 mm (1/2 inch) in diameter that is either elevated or protrudes from the surface of the detector and that also serves as a method of activating the test feature or other operational feature of the smoke detector.

18. Addendum - Minimum Screening Programs in Table D3.1

Table D3.1
Minimum screening programs

Hermetic and plastic packages	
1. Internal visual (Method 2010.1 condition B modified) _____	100 percent[a]
2. Bond strength (Method 2011) _____	Sample basis[a]
3. Stabilization bake (Method 1008C, 150 °C, 24 hours) _____	100 percent[b]
4. Temperature cycling (Method 1010C, minus 55 °C to 150 °C, 10 cycles _____	100 percent[e]
5. Seal (fine leak, Method 1014B, 5×10^{-8} cc/Sec) _____	100 percent[c]
6. Seal (gross leak - Method 1014B fluorocarbon) _____	100 percent

7. Functional electrical, 25 °C _____	100 percent
8. External visual, Method 2009 _____	100 percent
9. Quality conformance _____	AQL 1.5% per MIL-STD 105 Level II
A. Functional electrical, 25 °C	
B. Temperature cycling (Method 1010C, minus 55 °C to 125 °C, 10 cycles)	
C. Seal (Fine leak, Method 1014B 5×10^{-8} cc/Sec)[d]	
D. External visual, Method 2009	
Plastic packages	
1. Internal visual (Method 2010.1 condition B modified) _____	100 percent[a]
2. Bond strength (Method 2011) _____	Sample basis[a]
3. Temperature cycling (Method 1010C, minus 55 °C to 125 °C, 10 cycles or minus 40°C to ~~minus~~ 85°C, 43 cycles for package material sets less than 125°C_____	100 percent[e, f]
4. Functional electrical test, 25 °C _____	100 percent
5. External visual, Method 2009 _____	100 percent
6. Quality conformance _____	AQL 1.5% per MIL-STD 105 Level II
A. Functional electrical test, 25 °C	
B. Temperature cycling (Method 1010C, minus 55 °C to 125 °C, 10 cycles)	
C. External visual, Method 2009	

[a] Modified procedures or sample lot sizes shall be submitted for review.

[b] The stabilization bake shall not be required only when the production process includes equivalent conditioning.

[c] Shall be reduced to 1.5 percent AQL only when the vendor's first lot of 25,000 units shows statistical justification.

[d] Shall not be required only when justified by the reject rate in item 5.

[e] It is permissible to substitute either condition B or C of thermal shock Method 1011.1.

[f] Shall not be required only when the sample lot used in the burn-in test is subjected to 100 cycles of the temperature cycling or equivalent condition of minus 40°C to 85°C, 430 cycles for package material sets less than 125°C, and no devices fail as a result of the temperature cycling. The manufacturer shall then perform an annual audit of the device package type. It is permissible for this audit to be in the form of choosing samples from the same package type and subjecting them to the Temperature Cycling or Thermal Shock (Method 1010C or 1011.1, Conditions B or C, MIL-STD-883D . Records shall be maintained for inspection. (MIL-STD-883D). Records shall be maintained for inspection.

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

1. Multiple Supply Cords

PROPOSAL

10.2.1.4 An appliance with multiple supply connections, or an appliance and any of its accessories provided with independent supply connections, shall not exceed the rating of the intended branch circuit supply under simultaneous operation. See also 10.1.2.1. Any markings and instructions shall be disregarded. The both sources of supply shall be considered to be on the same branch circuit.

Exception No. 1: ~~In the case of a broiler attachment intended for use on a roaster, a~~ Not applicable to an appliance with multiple sources of supply, or an appliance and each accessory with independent sources of supply, if provided with a single detachable power-supply cord acceptable for the purpose ~~shall be supplied with the roaster~~, and no additional detachable power-supply cord shall be provided with either the ~~roaster~~ appliance or the ~~broiler~~ accessory.

Exception No. 2: Not applicable to accessories that comply with all requirements of this Standard independently. Tests are performed with the accessory placed on the supporting surface and not on the appliance.