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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: September 9, 2018

APTech (ASC B65) (Association for Print Technologies)

Revision

BSR/NAPIM 177.1-201x, Safety standard - Three-roll printing ink mills (revision of ANSI/NAPIM 177.1-2017)

The requirements of this standard apply to all three-roll mills used for the manufacturing of printing inks or similar materials used in the Printing Ink Manufacturing industry. The purpose of this standard is to establish safety requirements with respect to safety controls, operating procedures, and design of three-roll mills used for the manufacturing of printing inks.

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

Send comments (with copy to psa@ansi.org) to: Debra Orf, (703) 614-3452, dorf@aptech.org

NETA (InterNational Electrical Testing Association)

Revision

BSR/NETA MTS-201x, NETA Standard for Maintenance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA MTS-2015)

These specifications cover the suggested field tests and inspections that are available to assess the suitability for continued service and reliability of electrical power equipment and systems. The purpose of these specifications is to assure that tested electrical equipment and systems are operational, are within applicable standards and manufacturers' tolerances, and are suitable for continued service.

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

Send comments (with copy to psa@ansi.org) to: Richard Piet, rpier@netaworld.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i81r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

The purpose of ANSI/NSF 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: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

BSR/NSF 173-201x (i82r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

The purpose of ANSI/NSF 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: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

BSR/NSF 173-201x (i83r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

The purpose of ANSI/NSF 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: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

BSR/NSF 347-201x (i5r2), Sustainability Assessment for Single Ply Roofing (revision of ANSI/NSF 347-2012a)

This sustainability standard establishes an approach to the evaluation of the sustainability of single-ply roofing membranes. As used in this Standard, "Single-Ply Roofing Membrane" includes, but is not limited to, EPDM (EthylenePropylene Diene Terpolymer), KEE (Ketone Ethylene Ester), PVC (Poly(Vinyl Chloride)), TPO (Thermoplastic Polyolefin), and PIB (Polyisobutylene) products.

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

Send comments (with copy to psa@ansi.org) to: Kianda Franklin, (734) 827-3813, kfranklin@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 101-201x, Standard for Safety for Leakage Current for Appliances (revision of ANSI/UL 101-2017)

This proposal for UL 101 covers: (1) Proposed revision to Paragraph 5.3.3 to align with UL 101 formal interpretation.

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

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

BSR/UL 867-201x, Standard for Safety for Electrostatic Air Cleaners (revision of ANSI/UL 867-2016)

This proposal for UL 867 covers: (1) Exclusion of hydroxyl generators from scope of standard.

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

Send comments (with copy to psa@ansi.org) to: Julio Morales, (919) 549-1097, Julio.Morales@UL.com

BSR/UL 1201-201X, Standard for Safety for Sensor Operated Backwater Prevention System (revision of ANSI/UL 1201-2016)

An update is being made to requirements for the secondary power supply.

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

Send comments (with copy to psa@ansi.org) to: Grace Roh, (919) 549-1389, Grace.Roh@ul.com

BSR/UL 1446-201x, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2017)

These requirements cover test procedures to be used in the evaluation of Class 120(E) or higher electrical insulation systems (EIS) where the thermal factor is the dominating aging factor. These requirements also cover the investigation of the substitution of non-electrical insulating materials (NIM) components of insulation in a previously evaluated insulation system and also the test procedures to be used in the evaluation of magnet wire coatings, magnet wires, and varnishes.

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

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

Comment Deadline: September 24, 2018

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 032-201x, Standards for Minimum Training and Education Requirements for Bloodstain Pattern Analysts (new standard)

Provides educational requirements for an individual currently in, or entering into, a bloodstain pattern analyst training program and the minimum training requirements that a trainee must successfully complete to become a qualified analyst. This standard will address the need for a complete training program and sets the bar for the entire discipline.

Single copy price: Free

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

Order from: Document will be provided electronically on AAFS Standards Board free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

BSR/ASB Std 046-201x, Wildlife Forensics Validation Standards - New Tests for Validating Short Tandem Repeat (STR) Primers (new standard)

This document provides minimum standards and recommendations for validating new STR (short tandem repeat, nuclear DNA) markers for use against validated wildlife forensic DNA databases.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

BSR/ASB Std 047-201x, Wildlife Forensics Validation Standard - Validating New Primers for Sequencing (new standard)

Provides minimum standards and recommendations for validating new sequencing primers for taxonomic identification and mitochondrial haplotyping in wildlife forensic DNA laboratories where the sequencing (Sanger) method has already been validated. The method of validating the new sequencing primers against a validated database is contained in this standard.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

BSR/ASB Std 048-201x, Wildlife Forensic DNA Standard Procedures (new standard)

This standard covers the application of genetic techniques in analyzing wildlife forensic evidence. Also covered are: specific wildlife DNA analyses, such as DNA sequencing for the identification of class characters, DNA fragment analysis of short tandem repeats (STRs) for establishing individual identity, and includes validation of databases for comparison. Of particular concern are phylogeny, taxonomy, and reference collections that are specific to wildlife forensic science.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

BSR/ASB Std 072-201x, Standards for the Validation of Procedures in Bloodstain Pattern Analysis (new standard)

This document applies to the validation of procedures for bloodstain pattern analysis casework and new equipment. It also applies to the internal validation of established procedures existing within the BPA community when such procedures are being used within an agency.

Single copy price: Free

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

Order from: Document will be provided electronically on AAFS Standards Board free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 6.1.2-2013 (R201x), Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection Calculations for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.1.2-2013)

This Standard provides information on acceptable evaluated nuclear data and group-averaged neutron and gamma-ray cross-section libraries derived from these evaluated nuclear data based on the energy range and materials of importance in nuclear radiation protection and shielding calculations for nuclear power plants.

Single copy price: \$61.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

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

ASA (ASC S1) (Acoustical Society of America)**Reaffirmation**

BSR/ASA S1.14-1998 (R201x), Recommendations for Specifying and Testing the Susceptibility of Acoustical Instruments to Radiated Radio-Frequency Electromagnetic Fields, 25 MHz to 1 GHz (reaffirmation of ANSI/ASA S1.14-1998 (R2013))

Provides recommendations for specifying and testing the susceptibility of acoustical instruments to radiated radio-frequency electromagnetic fields. This Standard does not contain recommendations regarding the susceptibility of an instrument to conducted electromagnetic fields, or recommendations to limit the emission of electromagnetic fields from instruments. The Standard covers two ranges of radio frequencies for the carrier signal: 25 MHz to 500 MHz, and an extended range from 25 MHz to 1 GHz. Recommended maximum electric field strengths for the radio-frequency field are 3 V/m, 10 V/m, and 61.4 V/m. An electric field strength greater than 61.4 V/m may be selected for specific applications. The Standard recommends limits, relative to the overall performance category of an acoustical instrument, of allowable deviation from nominal performance in the absence of a radio-frequency field.

Single copy price: \$100.00

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

ASTM (ASTM International)**New Standard**

BSR/ASTM F2916-201x, Practice for Environmental Impact Analysis of Commercial Food Service Equipment (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM E1994-2009 (R201x), Practice for Use of Process Oriented AOQL and LTPD Sampling Plans (reaffirmation of ANSI/ASTM E1994-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM E2234-2009 (R201x), Practice for Sampling a Stream of Product by Attributes Indexed by AQL (reaffirmation of ANSI/ASTM E2234-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM E2334-2008 (R201x), Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample (reaffirmation of ANSI/ASTM E2334-2008 (R2013))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM E1169-201x, Practice for Conducting Ruggedness Tests (revision of ANSI/ASTM E1169-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

BSR/ASTM F2795-201x, Test Method for Performance of Self-Contained Soft Serve and Shake Freezers (revision of ANSI/ASTM F2795-2015)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

AWS (American Welding Society)

New Standard

BSR/AWS D16.2M/D16.2-201X, Guide for Components of Robotic and Automatic Arc Welding Installations (new standard)

Applies to the recommended design, integration, installation, and use of industrial welding robotic and automatic systems. This document is intended for the gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), plasma arc welding (PAW), and flux cored arc welding (FCAW) processes. Pertinent parts may address additional welding processes. Robotic and automatic arc welding systems consist of a manipulator, power source, arc welding torch and accessories, electrode feed system, wire delivery system, shielding gas delivery system, welding circuit, shielding and communication control, and grounding system. There may be other accessories that are outside the scope of this document, such as safety devices and monitoring, joint-tracking, and vision systems. A typical system is illustrated in Figure 1.

Single copy price: \$68.00

Obtain an electronic copy from: pportela@aws.org

Order from: Peter Portela, (800) 443-9353, pportela@aws.org

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

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

Revision

BSR/DMSC QIF 3.0-201x, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information (revision, redesignation and consolidation of ANSI/QIF Part 1-2015 & ANSI/QIF Part 2-2015, ANSI/QIF Part 3-2015, ANSI/DMSC QIF Part 4-2014, ANSI/QIF Part 5-2015, ANSI/QIF Part 6-2015, ANSI/QIF Part 7-2015, and ANSI/QIF Part 8-2015)

The Quality Information Framework (QIF) standard defines, in a single standards document, an integrated set of information models which enable the effective exchange of metrology data throughout the entire manufacturing quality measurement process - from product design to inspection planning to execution to analysis and reporting.

Single copy price: Free download during Public Review

Obtain an electronic copy from: www.qifstandards.org

Send comments (with copy to psa@ansi.org) to: Bailey Squier, bsquier@dmsstandard.org

ECIA (Electronic Components Industry Association)

Revision

BSR/EIA 364-31F-201x, Humidity Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-31E-2017)

The purpose of these tests is to evaluate materials and/or connector/socket assemblies as they are impacted by the effects of high humidity and heat. These tests are intended to be non-condensing.

Single copy price: \$80.00

Obtain an electronic copy from: global.ihs.com

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

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

ESTA (Entertainment Services and Technology Association)

New Standard

BSR E1.62-201x, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events (new standard)

Covers serially manufactured portable platforms, stair units, and ramps used with those platforms, and choral risers. It would also cover railings provided as fall protection accessories for these units. It would not cover custom platforms or complete stage systems. It would give minimum payload and sideways force handling specifications.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

ESTA (Entertainment Services and Technology Association)

Reaffirmation

BSR E1.5-2009 (R201x), Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2009 (R2014))

ANSI E1.5-2009, last reaffirmed in 2014, is being considered for reaffirmation. This standard describes the composition of theatrical fogs or artificial mists that are not likely to be harmful to healthy performers, technicians, or audience members of normal working age. It is limited to those fogs and mists made from a solution of water and one or more dihydric or trihydric alcohols, and is intended to be applied in theatres, arenas, and other places of entertainment or public assembly.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

BSR E1.29-2009 (R201x), Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil (reaffirmation of ANSI E1.29-2009 (R2014))

ANSI E1.29-2009, previously reaffirmed in 2014, is being considered for reaffirmation. The standard is intended to help guide product safety testing laboratories in evaluating fog-making equipment for design or construction defects that might create unacceptable hazards. It is based on UL 998-2006, Humidifiers, with modifications. Products covered are theatrical fog generators intended for use in professional theatrical entertainment, film and video production, theme parks, and fire safety training.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

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

NFPA (National Fire Protection Association)

The National Fire Protection Association announced the availability of its First Draft Report for concurrent review by NFPA and ANSI.

The disposition of all comments received will now be 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# (for example www.nfpa.org/101), can easily access the document's information page. These documents are for the NFPA 2018 Fall Revision Cycle. The proposed NFPA documents addressed in the First Draft Report and in the follow-up Second Draft Report will be presented for action at the NFPA June 2019 Association Technical Meeting to be held June 17-20, 2019 San Antonio Texas when a proper Notice of Intent to Make a Motion (NITMAM) has been submitted to the NFPA by the deadline of August 30, 2018. NITMAMs submitted on Public Comments (PC) can only be submitted by the original submitter of the PC or their duly represented Designated Representative. NITMAMs can be made by anyone if the NITMAM is on a Committee Comment, Second Revision, or Second Correlating Revision or in the case of a new standard, a NITMAM to Return the Entire NFPA Standard. Additional information on NITMAMs and authorized submitters can be found in the Regulations Governing the Development of NFPA Standards. Instructions on how to submit NITMAMs electronically are located in the Document's Second Draft

Revision

BSR/NFPA 14-201x, Standard for the Installation of Standpipe and Hose Systems (revision of ANSI/NFPA 14-2016)

This standard covers the minimum requirements for the installation of standpipes and hose systems. This standard does not cover requirements for periodic inspection, testing, and maintenance of these systems.

Obtain an electronic copy from: www.nfpa.org/14next

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

BSR/NFPA 52-201x, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2017)

This code shall apply to the design, installation, operation, and maintenance of compressed natural gas (CNG) and liquefied natural gas (LNG) engine fuel systems on vehicles of all types and for fueling vehicle (dispensing) systems and associated storage, including the following: (1) Original equipment manufacturers (OEMs), (2) Final-stage vehicle integrator/manufacture (FSVIM), and (3) Vehicle fueling (dispensing) systems. This code shall apply to the design, installation, operation, and maintenance of liquefied natural gas (LNG) engine fuel systems on vehicles of all types, to their associated fueling (dispensing) facilities, and to LNG to CNG facilities with LNG storage in ASME containers of 70,000 gal (265 m³) or less. This code shall not apply to those aspects of vehicles and fuel supply containers that are covered by federal motor vehicle safety standards (FMVSSs). This code shall include marine, highway, rail, off-road, and industrial vehicles. Where conflicts occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply. Where, in any specific case, different sections of this code specify different materials, methods, or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Manufacturer specifications shall equal or surpass the applicable requirements of this code.

Obtain an electronic copy from: www.nfpa.org/52next

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

BSR/NFPA 69-201x, Standard on Explosion Prevention Systems (revision of ANSI/NFPA 69-2014)

This standard applies to the design, installation, operation, maintenance, and testing of systems for the prevention of explosions by means of the following methods: (1) Control of oxidant concentration, (2) Control of combustible concentration, (3) Predeflagration detection and control of ignition sources, (4) Explosion suppression, (5) Active isolation, (6) Passive isolation, (7) Deflagration pressure containment, and (8) Passive explosion suppression.

Obtain an electronic copy from: www.nfpa.org/69next

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

BSR/NFPA 82-201x, Standard on Incinerators and Waste and Linen Handling Systems and Equipment (revision of ANSI/NFPA 82-2014)

This standard covers requirements for the installation, maintenance, and use of waste and recyclables storage rooms, containers, handling systems, incinerators, compactors, and linen and laundry handling systems. This standard does not include design criteria for the purpose of reducing air pollution. For such criteria, consult the authorities having jurisdiction. The requirements in this standard shall not apply to one- or two-family residential structures.

Obtain an electronic copy from: www.nfpa.org/82next

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

BSR/NFPA 285-201x, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2018)

This standard provides a test method for determining the fire propagation characteristics of exterior non-load-bearing wall assemblies and panels used as components of curtain wall assemblies, that are constructed using combustible materials or that incorporate combustible components, and that are intended to be installed on buildings required to have exterior walls of noncombustible construction. The fire propagation characteristics are determined for post-flashover fires of interior origin.

Obtain an electronic copy from: www.nfpa.org/285next

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

BSR/NFPA 1003-201x, Standard for Airport Fire Fighter Professional Qualifications (revision of ANSI/NFPA 1003-2015)

This standard identifies the minimum job performance requirements for the airport fire fighter who is responsible for aircraft rescue and fire fighting.

Obtain an electronic copy from: www.nfpa.org/1003next

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

BSR/NFPA 1005-201x, Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (revision of ANSI/NFPA 1005-2014)

This standard identifies the minimum job performance requirements (JPRs) for Marine Fire Fighting for Land-Based Fire Fighters.

Obtain an electronic copy from: www.nfpa.org/1005next

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

BSR/NFPA 1041-201x, Standard for Fire Service Instructor Professional Qualifications (revision of ANSI/NFPA 1041-2012)

This standard identifies minimum job performance requirements (JPRs) for fire service instructors

Obtain an electronic copy from: www.nfpa.org/1041next

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

BSR/NFPA 1091-201x, Standard for Traffic Control Incident Management Personnel Professional Qualifications (revision of ANSI/NFPA 1091-2015)

This standard identifies the minimum job performance requirements (JPRs) for Traffic Control Incident Management Personnel.

Obtain an electronic copy from: www.nfpa.org/1091next

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

NSF (NSF International)

Revision

BSR/NSF 14-201x (i99r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

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

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/ballot.php?id=5186

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

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

New National Adoption

BSR/RESNA WC-3-201x, RESNA Standard for Wheelchairs - Volume 3: Wheelchair Seating (national adoption of ISO 16840-2, ISO 16840-3, ISO 16840-6, ISO TS 16840-12 with modifications and revision of ANSI/RESNA WC-3-2013)

Wheelchair seating as a sub-specialty of rehabilitation services involves the selection and provision of wheelchair seating products to provide improved body support to the wheelchair user. This standard applies to all wheelchair seating and postural devices. It specifies test methods or methods of measurement for: vocabulary; the physical and mechanical characteristics; performance life; envelopment test; heat and water vapor test; and static, impact and load-strength testing.

Single copy price: \$475.00

Obtain an electronic copy from: ymeding@resna.org

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

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

New Standard

BSR/RESNA IF-1-201x, RESNA Standard for Inclusive Fitness - Volume 1: Standard for Inclusive Fitness (new standard)

This standard discloses available inclusive fitness information, standards, and policies that facilitate accessible fitness environments for people of all abilities, including facility layout, equipment, staff, trainers, programming, and outreach and marketing. This standard will establish additional requirements to address current gaps in the inclusive fitness environment. This standard will specify inclusive access marks/symbols to identify fitness facilities and fitness equipment in mainstream, public facilities that meet access requirements for people with impairments and/or disabilities.

Single copy price: \$105.00

Obtain an electronic copy from: ymeding@resna.org

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

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

Revision

BSR/RESNA ASE-1-201x, RESNA Standard for Adaptive Sports Equipment - Volume 1: Winter Sports Equipment (revision of ANSI/RESNA ASE-1-2016)

This standard includes requirements and test methods for adaptive winter sports equipment (sit-skis, mono-skis, and bi-skis). Additional sections pertaining to other types of winter adaptive sports equipment will be developed and incorporated with future revisions. A new section of the standard will include requirements and test methods for skier restraint systems for use by people with certain types of impairments when riding on chairlifts.

Single copy price: \$120.00

Obtain an electronic copy from: ymeding@resna.org

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

BSR/RESNA CA-1-201x, RESNA Standard for Cognitive Accessibility - Volume 1: Universal Criteria for Reporting the Cognitive Accessibility of Products and Technologies (revision of ANSI/RESNA CA-1-2016)

The standard will establish requirements for the universal design of products used by people with cognitive impairment. Products include: Assistive technologies, consumer technologies, and household appliances. The standard is intended to increase but not ensure access to a variety of products. Designers shall use this guideline with any existing standards and accompanying test methods for their products. Attention to hardware devices will precede software.

Single copy price: \$105.00

Obtain an electronic copy from: ymeding@resna.org

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

RVIA (Recreational Vehicle Industry Association)

New Standard

BSR/RVIA XTLAD-201x, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (new standard)

The purpose of this recommended practice, laboratory test procedures, is to provide minimum safety criteria, through uniform testing, of exterior ladders by the ladder manufacturers and by the recreational vehicle manufacturers for exterior ladders as installed and used on recreational vehicles.

Single copy price: Free

Obtain an electronic copy from: jnichols@rvia.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 1501 sg-201x, Training standard for paper machine tender (new standard)

The purpose of this standard is to provide guidelines for skills and knowledge needed by a paper machine tender, often referred to as the paper machine first hand. The standard will be useful as a measure of the capabilities and understanding that a person must have to successfully perform the machine tender function as part of a technologically advanced workforce. Within the limitations described, the incumbent or candidate for this function should have the capability to know, understand, and appropriately utilize all of the standard skill and knowledge functions described. Secondly, as the first standard of this type based on the information sources referenced, this particular standard may serve as a model to see if similar standards would be useful for other pulp and paper mill job classifications.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscilla Briggs, (770) 209-7249, standards@tappi.org

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 307A-1997 (R201x), Standard for Safety for Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles (reaffirmation of ANSI/UL 307A-1997 (R2013))

These requirements apply to the following liquid fuel-burning appliances intended for installation in manufactured homes and recreational vehicles, including travel trailers, camping trailers, truck campers, motor homes, and park trailers: (a) Direct-vent-system-type heating appliances that provide for complete separation between the indoor atmosphere and combustion system, including the air supplied for combustion by inherent design of the furnace and its venting system and (b) Vented heating appliances other than of the direct vent system type that provide for separation between the indoor atmosphere and combustion system, including the air supplied for combustion by an installation method. Such appliances can be used only in manufactured homes, not in recreational vehicles.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.com

BSR/UL 2351-2014 (R201x), Standard for Spray Nozzles for Fire-Protection Service (reaffirmation of ANSI/UL 2351-2014)

UL proposes a reaffirmation for UL 2351.

Single copy price: Free

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 6420-201X, Standards for Safety for Systems Isolation Equipment (revision of ANSI/UL 6420-2012 (R2018))

Addition of Pneumatic Isolation in UL 6420.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

Technical Reports Registered with ANSI

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

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

Comment Deadline: September 9, 2018

ASC X9 (Accredited Standards Committee X9, Incorporated)

BSR ASC X9 TR 51-201x, Levies Companion Document (technical report)

The purpose of this document is to formalize an industry standard for exchange of legal orders using the ANSI X9.129 standard format and a compilation of industry norms. This document is not intended to replace the ANSI X9.129 standard, but rather to clarify how financial institutions and agencies should use the standard to ensure all necessary and appropriate levies and asset based orders are exchanged between financial institutions and/or agencies.

Single copy price: Free

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

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

BSR X9 TR 33-2018, Check Image Quality Assurance with Data Transaction Integrity (revise technical report)

Considering that check image capture has become a front counter application for many users that typically have little understanding of check design and capture, and of how little things can affect not only aesthetic quality of the photographic components, but also the technical and legal qualities necessary for a ubiquitous and problem-free transfer of financial information, this report is still quite valuable and is still used extensively by industry stakeholders. This revised technical report provides an update with current perspectives on check imaging.

Single copy price: \$60.00

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

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

Projects Withdrawn from Consideration

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 WK56735-201x, New Practice for Determining setback idle mode performance of commercial foodservice equipment (new standard)

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

Correction

Incorrect Sub-Head for INCITS Reaffirmations

Due to a technical error, some of the INCITS reaffirmations that appeared in the July 27th issue of Standards Action had an incorrect sub-head. All INCITS reaffirmed standards should have the sub-head "Reaffirmation".

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 S1) (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 S1.14-1998 (R201x), Recommendations for Specifying and Testing the Susceptibility of Acoustical Instruments to Radiated Radio-frequency Electromagnetic Fields, 25 MHz to 1 GHz (reaffirmation of ANSI/ASA S1.14-1998 (R2013))

AWS (American Welding Society)

Office: 8669 NW 36 ST., #130
Miami, FL 33166

Contact: *Peter Portela*

Phone: (800) 443-9353

E-mail: pportela@aws.org

BSR/AWS D16.2M/D16.2-201X, Guide for Components of Robotic and Automatic Arc Welding Installations (new standard)

CEMA (Conveyor Equipment Manufacturers Association)

Office: 5672 Strand Court
Suite 2
Naples, FL 34110

Contact: *Philip Hannigan*

Phone: (239) 514-3441

E-mail: phil@cemanet.org

BSR/CEMA Standard 407-201x, Motor Driven Live Roller Conveyors (new standard)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

Office: 1350 SW Alsbury Blvd
#514
Burleson, TX 76028-9219

Contact: *Bailey Squier*

Phone: (817) 461-1092

E-mail: bsquier@dmis.org

BSR/DMSC QIF 3.0-201x, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information (revision, redesignation and consolidation of ANSI/QIF Part 1-2015 & ANSI/QIF Part 2-2015, ANSI/QIF Part 3-2015, ANSI/DMSC QIF Part 4-2014, ANSI/QIF Part 5-2015, ANSI/QIF Part 6-2015, ANSI/QIF Part 7-2015, ANSI/QIF Part 8-2015)

ECIA (Electronic Components Industry Association)

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

Contact: *Laura Donohoe*

Phone: (571) 323-0294

E-mail: ldonohoe@ecianow.org

BSR/EIA 364-31F-201x, Humidity Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-31E-2017)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

E-mail: ebrazda@isa.org

BSR/ISA 77.44.01-201x, Fossil Fuel Power Plant - Steam Temperature Controls (revision of ANSI/ISA 77.44.01-2007 (R2013))

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

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

Contact: *Barbara Bennett*

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

INCITS 27-1987 [S2018], Magnetic Tape Labels and File Structure for Information Interchange (stabilized maintenance of INCITS 27-1987 (R2003))

August 10, 2018 Standards Action Announcement

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

INCITS 40-1993 [S2018], Unrecorded Magnetic Tape for Information Interchange (9-Track, 800 CPI, NRZI; 1600 CPI, PE; and 6250 CPI, GCR) (stabilized maintenance of INCITS 40-1993 (R2003))

August 10, 2018 Standards Action Announcement

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

INCITS 72-1981 [S2018], Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 72-1981 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 85-1981 [S2018], 1/2-Inch Magnetic Tape Interchange Using a Self-Loading Cartridge (stabilized maintenance of INCITS 85-1981 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 113-1987 [S2018], Information Systems - Programming Language - Full BASIC (stabilized maintenance of INCITS 113-1987 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 113a-1989 [S2018], Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC (stabilized maintenance of INCITS 113a-1989 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 118-1998 [S2018], Personal Identification Number - PIN Pad (stabilized maintenance of INCITS 118-1998 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 157-1987 [S2018], Recorded Magnetic Tape for Information Interchange 0.5 in (12.7 mm), Tape, Nine Track, 3200 CPI (126 CPMM), Phase Encoded (stabilized maintenance of INCITS 157-1987 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 158-1987 [S2018], Serial Recorded Magnetic Tape Cassette for Information Interchange - 0.150 in (3.82 mm), 8000 bpi (315 bpm) Group Code Recording Streaming Mode, Four Tracks (stabilized maintenance of INCITS 158-1987 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 228-1993 [S2018], Information Systems - X.25 Data Transfer Phase (DTP) Procedures for Operation with Frame Relay (stabilized maintenance of INCITS 228-1993 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS 234-1993 [S2018], Information Systems - Test Methods for Media Characteristics - 130-mm Rewritable Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 234-1993 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS X4.6-1979 [S2018], 10-Key Keyboard for Adding and Calculating Machines (stabilized maintenance of INCITS X4.6-1979 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO 8378-3-1986 [S2018], Information Processing - Data Interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftrpad, 3,8 tpm (96 tpi) on both sides - Part 3: Track Format B (stabilized maintenance of ANSI/ISO 8378-3-1986 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO/IEC 7185:1990 [S2018], Programming Language PASCAL (stabilized maintenance of INCITS/ISO/IEC 7185-1990 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO/IEC 9983:1995 [S2018], Information Processing Systems - Designation of Unrecorded Flexible Disk Cartridges (stabilized maintenance of INCITS/ISO/IEC 9983-1995 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO/IEC 11576:1994 [S2018], Procedures for the Registration of Algorithms for the Lossless Compression of Data (stabilized maintenance of INCITS/ISO/IEC 11576-1994 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

INCITS/ISO/IEC 13422:1994 [S2018], Information technology - 90 mm flexible disk cartridges - 10 MByte capacity using sector servo tracking (stabilized maintenance of INCITS/ISO/IEC 13422-1994 (R2003))

August 10, 2018 Standards Action Announcement
This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

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 (i99r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

BSR/NSF 173-201x (i81r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

BSR/NSF 173-201x (i82r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

BSR/NSF 173-201x (i83r1), Dietary Supplements (revision of ANSI/NSF 173-2017)

BSR/NSF 347-201x (i5r2), Sustainability Assessment for Single Ply Roofing (revision of ANSI/NSF 347-2012a)

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 ASE-1-201x, RESNA Standard for Adaptive Sports Equipment - Volume 1: Winter Sports Equipment (revision of ANSI/RESNA ASE-1-2016)

BSR/RESNA CA-1-201x, RESNA Standard for Cognitive Accessibility - Volume 1: RESNA Standard for Cognitive Accessibility - Volume 1: Universal Criteria for Reporting the Cognitive Accessibility of Products and Technologies (revision of ANSI/RESNA CA-1-2016)

BSR/RESNA IF-1-201x, RESNA Standard for Inclusive Fitness - Volume 1: Standard for Inclusive Fitness (new standard)

BSR/RESNA WC-3-201x, RESNA Standard for Wheelchairs - Volume 3: Wheelchair Seating (national adoption of ISO 16840-2, ISO 16840-3, ISO 16840-6, ISO TS 16840-12 with modifications and revision of ANSI/RESNA WC-3-2013)

SPRI (Single Ply Roofing Industry)

Office: 465 Waverley Oaks Road
Suite 421
Waltham, MA 02452

Contact: Linda King

Phone: (781) 647-7026

E-mail: info@spri.org

BSR/MCA FTS-1-201x, Test Method for Structural Performance of Flashings Used with Metal Roof Systems (new standard)

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 492AAAF-201x, Detail Specification for Class 1a graded-index multimode optical fibers; Modification of IEC 60793-2-10:2017, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (national adoption with modifications of IEC 60793-2-10:2017)

BSR/TIA 4920000-C-201x, TIA-4920000-C Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793 -2:2015)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Contact: Grace Roh

Phone: (919) 549-1389

E-mail: Grace.Roh@ul.com

BSR/UL 1201-201X, Standard for Safety for Sensor Operated Backwater Prevention System (revision of ANSI/UL 1201-2016)

Call for Members (ANS Consensus Bodies)

Member and Non-Member Volunteer Participants

Parenteral Drug Association (PDA)

Membership Deadline: September 28, 2018

Parenteral Drug Association, (PDA) is an accredited Standards Developing Organization. The PDA is currently seeking member and non-member volunteer participants to serve on technical teams to assist in developing, writing, and editing the following proposed American National Standards:

<https://www.pda.org/membership/volunteer-opportunities/upcoming-volunteer-opportunities>

- BSR/PDA Standard 01-201x, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries
- BSR/PDA Standard 02-201x, Cryopreservation of Cells for Use in Cell Therapies and Regenerative Medicine Manufacturing

If you are interested in volunteering to take part in the standards development process, please submit a notification of interest at <https://store.pda.org/login> by September 28, 2018.

For more information, please contact Christine Roberts, PDA Standards Manager, at standards@pda.org.

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.

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

Addenda

ANSI/ASHRAE 62.1c-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.1r-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.1o-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.1q-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.1u-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.1v-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 7/25/2018

ANSI/ASHRAE 62.2e-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 7/25/2018

ANSI/ASHRAE/IES 90.1k-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 7/25/2018

New Standard

ANSI/ASHRAE 222-2018, Standard Method of Test for Electrical Power Drive Systems (new standard): 8/1/2018

Revision

ANSI/ASHRAE 72-2018, Method of Testing Open and Closed Commercial Refrigerators and Freezers (revision of ANSI/ASHRAE Standard 72-2014): 8/1/2018

ANSI/ASHRAE 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011): 8/1/2018

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1887-2017, Guide for Wayside Energy Storage Systems for DC Traction Applications (new standard): 7/31/2018

NSF (NSF International)

New Standard

ANSI/NSF 455-4-2018 (i1r1), Good Manufacturing Practices for Over-the-Counter Drugs (new standard): 7/30/2018

Revision

ANSI/NSF 14-2018 (i94r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017): 7/28/2018

ANSI/NSF 42-2018 (i97r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2017): 7/31/2018

ANSI/NSF 44-2018 (i44r2), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2017): 7/31/2018

ANSI/NSF 53-2018 (i112r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2017): 7/31/2018

ANSI/NSF 55-2018 (i45r2), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2017): 7/31/2018

ANSI/NSF 58-2018 (i80r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2017): 7/31/2018

ANSI/NSF 401-2018 (i10r2), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017a): 7/31/2018

TIA (Telecommunications Industry Association)

New National Adoption

ANSI/TIA 455-234-A-2018, Optical Fibres - Part 1-52: Measurement Methods and Test Procedures - Change of Temperature (identical national adoption of IEC-60793-1-52): 7/31/2018

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 153-2018, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2017a): 7/27/2018

ANSI/UL 1449-2018, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2017): 8/1/2018

ANSI/UL 1449-2018a, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2017): 8/1/2018

ANSI/UL 1449-2018b, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2017): 8/1/2018

ANSI/UL 1449-2018c, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2017): 8/1/2018

ANSI/UL 1647-2018a, Standard for Safety for Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2018): 7/26/2018

ANSI/UL 1691-2018a, Standard for Safety for Single Pole Locking-Type Separable Connectors (revision of ANSI/UL 1691-2018): 7/27/2018

Project Initiation Notification System (PINS)

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

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

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

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904

New Standard

BSR/ASB Std 104-201x, Standard for 3D Virtual Comparison Microscopy for Firearm and Toolmark Analysis (new standard)

Stakeholders: Firearm and tool mark examiners and technicians; Forensic service providers that provide firearm and tool mark examination services; judicial system; law enforcement investigators and general public.

Project Need: Currently, there are no guidelines for 3D VCM for firearm and toolmark analysis. It is important to establish standards for the use of this approach to provide integrity for 3D data and to ensure accurate interpretation of these measurements within laboratories that provide conclusions regarding toolmark-related evidence.

Intended to ensure proper acquisition, application, and interpretation of 3D microscopic measurements within the discipline of firearm and toolmark examination. The Standard applies to all visual toolmark comparisons utilizing 3D surface topography measurements (Virtual Comparison Microscopy, VCM), but not to the comparison of 2D images and it does not include algorithms providing comparison, similarity, or interpretation.

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Jean Walsh, (269) 932-7027, walsh@asabe.org
2950 Niles Road, Saint Joseph, MI 49085

Revision

BSR/ASAE S572.3-MON201x, Spray Nozzle Classification by Droplet Spectra (revision and redesignation of ANSI/ASAE S572.2-JUL2018)

Stakeholders: Researchers, nozzle and sprayer manufacturers, agrochemical producers, crop consultants, spray applicators, government regulatory agencies.

Project Need: Revise Standard to remove language related to "drift potential" and clarify that it represents a relative method of comparing and classifying spray nozzles; to clarify testing conditions; to clarify the need of spray surfactant in testing; to include additional information on source of certified reference nozzle sets; and to add details on method and reference nozzle sets for classifying aerial spray nozzles.

Defines droplet spectrum categories for classification of spray nozzles, relative to specified reference fan nozzles discharging with spray into static air so that no stream of air enhances atomization. The purpose of classification is to provide the nozzle user with droplet size information to indicate off-site spray drift potential and for application efficacy. The Standard defines a means for relative nozzle comparisons only, based on droplet size. Other spray drift and application efficacy factors (droplet discharge trajectory, height, velocity, air bubble inclusion, droplet evaporation, impaction on target) are examples of factors not addressed in this standard.

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

Contact: *Tanisha Meyers-Lisle, (678) 539-1111, tmlisle@ashrae.org*
1791 Tullie Circle NE, Atlanta, GA 30329

Revision

BSR/ASHRAE Standard 139-201X, Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process (revision of ANSI/ASHRAE Standard 139-2015)

Stakeholders: Testing facilities.

Project Need: References are outdated and need to be updated.

Provides test methods for determining the moisture removal capacity of heat-regenerated desiccant dehumidifiers as well as the coincident thermal energy performance so that comparative evaluations of capacity and performance can be made irrespective of the type or make of the device.

ASTM (ASTM International)

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

New Standard

BSR/ASTM F400-201x, Standard Consumer Safety Specification for Lighters (new standard)

Stakeholders: Safety standards for lighters industries.

Project Need: This specification establishes requirements for lighters to ensure a reasonable degree of safety for normal use or reasonably foreseeable misuse of such lighters by users.

This consumer safety specification covers all flame-producing consumer products commonly known as cigarette lighters, pipe lighters, and cigar lighters and such similar devices as defined in 3.1.7. Matches are specifically excluded from this safety specification; flame-producing products intended solely for igniting apparatus other than cigars, pipes, and cigarettes are also specifically excluded from this safety specification.

BSR/ASTM WK64512-201x, New Specification for Standard Specification for IBC Special Inspection services (new standard)

Stakeholders: Agencies performing construction inspection, testing, and special inspection industry.

Project Need: Since the mass adoption of the International Building Code by all 50 States, the need for Standards written to the Special Inspection Agency and the Special Inspectors on how to effectively complete their inspections have become increasingly relevant. ASTM does not have a Standard on the Specification for Special Inspection

Establishes requirements for the Special Inspection Agency and their Special Inspectors, in the daily exercise of their service. These requirements will be in conformance with the Test Methods and Standard Practices of ASTM and the International Building Code, including methods for field verification and laboratory testing, as reflected in the Construction Documents.

CEMA (Conveyer Equipment Manufacturers Association)

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

New Standard

BSR/CEMA Standard 407-201x, Motor Driven Live Roller Conveyors (new standard)

Stakeholders: Manufacturers, specifiers, and users of this equipment.

Project Need: To meet a need for standardization in design and application of motor-driven live roller conveyors.

Seventh in the series pertaining to unit-handling conveyors, it establishes recommended minimum standards for use in design and application of unit-handling motor-driven live roller conveyors.

ISA (International Society of Automation)

Contact: *Eliana Brazda, (919) 990-9228, ebrazda@isa.org*
67 Alexander Drive, Research Triangle Park, NC 27709

Revision

BSR/ISA 77.44.01-201x, Fossil Fuel Power Plant - Steam Temperature Controls (revision of ANSI/ISA 77.44.01-2007 (R2013))

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To establish the minimum requirements for the functional design specification of steam temperature control systems for drum type and once-through type fossil fuel power plant boilers.

Addresses the major steam temperature control subsystems in boilers with steaming capacities of 200,000 lb/hr (25 kg/s) or greater. These subsystems include, but are not limited to, superheat temperature control and reheat temperature control. Specifically excluded from consideration are controls associated with fluidized-bed, stoker-fired furnace combustion units, and mud drum desuperheaters.

SPRI (Single Ply Roofing Industry)

Contact: Linda King, (781) 647-7026, info@spri.org
465 Waverley Oaks Road, Suite 421, Waltham, MA 02452

New Standard

BSR/MCA FTS-1-201x, Test Method for Structural Performance of Flashings Used with Metal Roof Systems (new standard)

Stakeholders: Designers and specifiers of metal roof and wall systems; manufacturers and testing agencies of metal roof flashing products; code officials, insurance companies and building owners.

Project Need: This test method has been developed to address the fact that in significant wind events, metal roof system failure is most likely to begin at a flashing attachment.

Provides a method to evaluate the structural performance of flashings associated with metal roof and wall systems by applying line loads to the flashing attached to supporting material.

TIA (Telecommunications Industry Association)

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

New National Adoption

BSR/TIA 492AAAF-201x, Detail Specification for Class 1a graded-index multimode optical fibers; Modification of IEC 60793-2-10:2017, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (national adoption with modifications of IEC 60793-2-10:2017)

Stakeholders: Users of optical fiber such as optical fiber cable manufacturers and their customers, optical fiber transmission and test equipment manufacturers, specifiers of optical fiber and cable such as telecommunications companies and standards bodies that define transmission protocols.

Project Need: Adopt ISO or IEC standard with modifications.

Adapt with modifications IEC 60793-2-10:2017 as ANSI/TIA-492AAAF. The modifications may include: (1) those described for ANSI/TIA-4920000-C, (2) addition of min EMB info from 840 – 953 nm for A1a.2 and A1a.3 fibers. Because IEC standard 60793-2-10 contains detail and sectional specifications, ANSI/TIA 492AAAF cancels and replaces: TIA-492A000 sectional specification; TIA-492AA00 blank detail specification; and TIA-492AAAA, 492AAAB, 492AAAC, 492AAAD, 492AAAE detail specifications.

Justification: Improve harmonization of ANSI specs with IEC specs.

BSR/TIA 4920000-C-201x, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2015)

Stakeholders: Users of optical fiber such as optical fiber cable manufacturers and their customers, optical fiber transmission and test equipment manufacturers, specifiers of optical fiber and cable such as telecommunications companies and standards bodies that define transmission protocols.

Project Need: Adopt ISO or IEC standard with modifications.

Adapt IEC 60793-2:2015 as ANSI/TIA 4920000-C to achieve closer harmonization with international standards. The modifications may include: addition of TIA documents to the normative references; addition of TIA test methods closely equivalent to IEC test methods; addition of TIA classification of fibers closely equivalent to IEC classifications (including new additions not contained within latest published version); and changes within text to include TIA classifications and references.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle NE Atlanta, GA 30329 Phone: (678) 539-1111 Web: www.ashrae.org</p>	<p>ESTA Entertainment Services and Technology Association 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Web: www.esta.org</p>	<p>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</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Web: www.ans.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Web: www.astm.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Web: www.ieee.org</p>	<p>RVIA Recreational Vehicle Industry Association 1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (703) 620-6003 Web: www.rvia.org</p>
<p>APTech (ASC CGATS) Association for Print Technologies 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Web: www.printtechnologies.org</p>	<p>AWS American Welding Society 8669 NW 36 ST., #130 Miami, FL 33166 Phone: (800) 443-9353 Web: www.aws.org</p>	<p>ISA (Organization) International Society of Automation 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Web: www.isa.org</p>	<p>SPRI Single Ply Roofing Industry 465 Waverley Oaks Road Suite 421 Waltham, MA 02452 Phone: (781) 647-7026 Web: www.spri.org</p>
<p>ASA (ASC S1) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Web: www.acousticalsociety.org</p>	<p>CEMA Conveyer Equipment Manufacturers Association 5672 Strand Court Suite 2 Naples, FL 34110 Phone: (239) 514-3441 Web: www.cemanet.org</p>	<p>NETA InterNational Electrical Testing Association 3050 Old Centre Suite 101 Portage, MI 49024 Phone: (269) 488-6382 Web: www.netaworld.org</p>	<p>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</p>
<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7027 Web: www.asabe.org</p>	<p>DMSC, Inc. Dimensional Metrology Standards Consortium, Inc. 1350 SW Alsbury Blvd #514 Burlleson, TX 76028-9219 Phone: (817) 461-1092 Web: www.dmis.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 Phone: (617) 984-7246 Web: www.nfpa.org</p>	<p>TIA Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Web: www.tiaonline.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>ECIA Electronic Components Industry Association 2214 Rock Hill Road Suite 265 Herndon, VA 20170-4212 Phone: (571) 323-0294 Web: www.ecianow.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: www.nsf.org</p>	<p>UL Underwriters Laboratories, Inc. 12 Laboratory Dr. Research Triangle Park, NC 27709 Phone: (919) 549-0973 Web: www.ul.com</p>



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 16049-1, Air cargo - Restraint straps - Part 1: Design criteria and testing methods - 8/23/2018, \$67.00

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

ISO/DIS 35001, Biorisk management for laboratories and other related organisations - 8/25/2018, \$88.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 5010, Earth-moving machinery - Wheeled machines - Steering requirements - 8/24/2018, \$77.00

ERGONOMICS (TC 159)

ISO/DIS 24509, Ergonomics - Accessible design - A method for estimating minimum legible font size for people at any age - 10/22/2018, \$98.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO/DIS 21053, Life cycle analysis and recycling of ductile iron pipes for water applications - 10/20/2018, \$53.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 14820-3, Fertilizers and liming materials - Sampling and sample preparation - Part 3: Sampling of static - 10/25/2018, \$58.00

FIRE SAFETY (TC 92)

ISO/DIS 11925-2, Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test - 10/20/2018, \$98.00

GAS CYLINDERS (TC 58)

ISO 10462/DAMd1, Gas cylinders - Acetylene cylinders - Periodic inspection and maintenance - Amendment 1 - 10/26/2018, \$29.00

ISO 11118/DAMd1, Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods - Amendment 1 - 11/3/2001, \$33.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 16684-1, Graphic technology - Extensible metadata platform (XMP) specification - Part 1: Data model, serialization and core properties - 8/26/2018, \$119.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 18320, Hydrometry - Determination of liquid flow in open channels - 8/24/2018, \$112.00

INDUSTRIAL TRUCKS (TC 110)

ISO 10896-6/DAMd1, Rough-terrain trucks - Safety requirements and verification - Part 6: Tilting operator's cabs - Amendment 1 - 8/23/2018, \$29.00

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

ISO/DIS 13679, Petroleum and natural gas industries - Procedures for testing casing and tubing connections - 8/24/2018, \$33.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 16672, Ophthalmic implants - Ocular endotamponades - 8/23/2018, \$71.00

PACKAGING (TC 122)

ISO/DIS 16106, Transport packages for dangerous goods - Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings - Guidelines for the application of ISO 9001 - 8/23/2018, \$134.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 2431, Paints and varnishes - Determination of flow time by use of flow cups - 8/26/2018, \$67.00

ISO/DIS 1518-1, Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method - 8/26/2018, \$40.00

ISO/DIS 1518-2, Paints and varnishes - Determination of scratch resistance - Part 2: Variable-loading method - 8/26/2018, \$40.00

ISO/DIS 22516, Paints and varnishes - Practical determination of non-volatile and volatile matter content during application - 8/26/2018, \$46.00

ISO/DIS 22518, Paints and varnishes - Determination of solvents in water-thinnable coating materials - Gas-chromatographic method - 8/26/2018, \$62.00

- ISO/DIS 22557, Paints and varnishes - Scratch test using a spring-loaded pen - 8/26/2018, \$62.00
- ISO/DIS 11124-5, Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 5: Cut steel wire - 8/26/2018, \$46.00
- ISO/DIS 22553-1, Paints and varnishes - Electro-deposition coatings - Part 1: Terminology and general principle - 8/26/2018, \$53.00
- ISO/DIS 22553-2, Paints and varnishes - Electro-deposition coatings - Part 2: Throwing power - 8/26/2018, \$62.00
- ISO/DIS 22553-3, Paints and varnishes - Electro-deposition coatings - Part 3: Compatibility of electro-deposition coating materials with a reference oil - 8/26/2018, \$40.00
- ISO/DIS 22553-4, Paints and varnishes - Electro-deposition coatings - Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials - 8/26/2018, \$53.00
- ISO/DIS 22553-5, Paints and varnishes - Electro-deposition coatings - Part 5: Determination of sieve residue - 8/26/2018, \$33.00
- ISO/DIS 22553-6, Paints and varnishes - Electro-deposition coatings - Part 6: Entry marks - 8/26/2018, \$33.00

PLASTICS (TC 61)

- ISO/DIS 179-2, Plastics - Determination of Charpy impact properties - Part 2: Instrumented impact test - 8/27/2018, \$82.00
- ISO/DIS 15509, Adhesives - Determination of the bond strength of engineering-plastic joints - 8/24/2018, \$40.00
- ISO/DIS 11003-1, Adhesives - Determination of shear behaviour of structural adhesives - Part 1: Torsion test method using butt-bonded hollow cylinders - 8/24/2018, \$40.00
- ISO/DIS 11003-2, Adhesives - Determination of shear behaviour of structural adhesives - Part 2: Tensile test method using thick adherends - 8/24/2018, \$53.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

- ISO/DIS 2790, Belt drives - V-belts for the automotive industry and corresponding pulleys - Dimensions - 8/27/2018, \$46.00

ROAD VEHICLES (TC 22)

- ISO/DIS 19072-1, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 1: Pocket interface definition - 10/25/2018, \$46.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

- ISO/DIS 22152, Ships and marine technology - Performance requirements for low bio-persistence mineral wool products - Alkaline earth silicate wool - 10/25/2018, \$33.00
- ISO/DIS 20233-2, Ships and marine technology - Model test method for propeller cavitation noise evaluation in ship design - Part 2: Noise source localization - 8/24/2018, \$53.00

SMALL CRAFT (TC 188)

- ISO/DIS 11105, Small craft - Ventilation of petrol engine and/or petrol tank compartments - 10/25/2018, \$40.00
- ISO/DIS 13297, Small craft - Electrical systems - Alternating and direct current installations - 8/23/2018, \$98.00
- ISO/DIS 12215-10, Small craft - Hull construction and scantlings - Part 10: Rig loads and rig attachment in sailing craft - 8/23/2018, \$134.00

STEEL (TC 17)

- ISO/DIS 4987, Steel castings - Liquid penetrant inspection - 10/21/2018, \$112.00

TEXTILES (TC 38)

- ISO/DIS 22744-1, Textiles and textile product - Critical substances potentially present in components of textile product materials - Determination of organotin compounds - Part 1: Method using gas chromatography - 8/26/2018, \$53.00

TIMBER (TC 218)

- ISO/DIS 13061-5, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 5: Determination of strength in compression perpendicular to grain - 12/11/2002, \$40.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

- ISO/DIS 12813, Electronic fee collection - Compliance check communication for autonomous systems - 10/22/2018, \$125.00

TYRES, RIMS AND VALVES (TC 31)

- ISO/DIS 10499-1, Industrial tyres and rims - Rubber solid tyres (metric series) for pneumatic tyre rims - Part 1: Designation, dimensions and marking - 10/26/2018, \$33.00

WATER QUALITY (TC 147)

- ISO/DIS 22125-1, Water quality - Technetium-99 - Part 1: Test method using liquid scintillation counting - 8/25/2018, \$82.00
- ISO/DIS 22125-2, Water quality - Technetium-99 - Part 2: Test method using inductively coupled plasma mass spectrometry (ICP-MS) - 8/26/2018, \$82.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 18040, Information technology - Computer graphics, image processing and environmental data representation - Live actor and entity representation in mixed and augmented reality (MAR) - 8/24/2018, \$119.00
- ISO/IEC DIS 19774-1, Information technology - Computer graphics and image processing - Humanoid Animation (H-Anim) - Part 1: Architecture - 8/27/2018, \$77.00
- ISO/IEC DIS 19774-2, Information technology - Computer graphics and image processing - Humanoid Animation (H-Anim) - Part 2: Motion capture - 8/27/2018, \$58.00
- ISO/IEC DIS 19785-2, Information technology - Common biometric exchange formats framework - Part 2: Procedures for the operation of the biometric registration authority - 10/25/2018, \$62.00
- ISO/IEC DIS 19785-3, Information technology - Common Biometric Exchange Formats Framework - Part 3: Patron format specifications - 10/25/2018, \$175.00
- ISO/IEC DIS 30106-4, Information technology - Object oriented BioAPI - Part 4: C++ implementation - 10/25/2018, \$125.00
- ISO/IEC DIS 23000-21, Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format - 10/21/2018, \$112.00

IEC Standards

- 15/840(F)/CDV, IEC 60674-3-2 ED2: Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for balanced biaxially oriented polyethylene terephthalate (PET) films used for electrical insulation, 2018/9/28
- 21A/662/CDV, IEC 63056 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems, /2018/10/2
- 23B/1266/CD, IEC 63180 ED1: Methodology for determining the functionality of detectors - Part 1: Passive infra-red detectors for presence and motion detection, /2018/11/2

- 34A/2108/CD, IEC 61228 ED3: Fluorescent ultraviolet lamps used for tanning - Measurement and specification method, /2018/10/2
- 34B/2007/CD, IEC 60238/AMD2/FRAG1 ED9: Edison screw lampholders, /2018/10/2
- 34B/2008/CD, IEC 60400/AMD1/FRAG2 ED8: Lampholders for tubular fluorescent lamps and starterholders, /2018/10/2
- 34B/2009/CD, IEC 60838-1/AMD2/FRAG3 ED5: Miscellaneous lampholders - Part 1: General requirements and tests, /2018/10/2
- 34B/2010/CD, IEC 61184/AMD1/FRAG1 ED4: Bayonet lampholders, /2018/10/2
- 35/1402/CD, IEC 60086-3 ED5: Primary batteries - Part 3: Watch batteries, 2018/9/28
- 35/1398/CDV, IEC 60086-4 ED5: Primary batteries-Part 4: Safety of lithium batteries, /2018/10/2
- 45/852/NP, PNW 45-852: Nuclear instrumentation - Fixed high intensity proton cyclotron within the energy range of 10 ~ 20 MeV, /2018/10/2
- 45A/1212/CDV, IEC 62566-2 ED1: Nuclear power plants - Instrumentation and control systems important to safety - Development of HDL-programmed integrated circuits - Part 2: HDL-programmed integrated circuits for systems performing category B or C functions, /2018/10/2
- 46/697/NP, PNW 46-697: Radio frequency and coaxial cable assemblies - Part 2-8: Detail specification for cable assemblies for radio and TV receivers - Frequency range up to 3000MHz, Screening class A++, IEC61169-47 connectors, /2018/10/2
- 46/698/NP, PNW 46-698: Radio frequency and coaxial cable assemblies - Part 4-2: Detail specification for semi rigid cable assemblies (jumper), Frequency range up to 6000MHz, Type 50-9 semi-rigid coaxial cable, applicable to ISO/IEC 11801-1, /2018/10/2
- 46/699/NP, PNW 46-699: Radio frequency and coaxial cable assemblies - Part 4-3: Detail specification for semi-rigid cable assemblies, Frequency range up to 6000MHz, Type 50-12 low loss semi-rigid coaxial cable, applicable to ISO/IEC 11801-1, /2018/10/2
- 46/700/FDIS, IEC 60966-1 ED3: Radio frequency and coaxial cable assemblies - Part 1: Generic specification - General requirements and test methods, 2018/9/14
- 47/2491/CDV, IEC 62435-3 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 3: Data, /2018/10/2
- 51/1239/CDV, IEC 63093-12 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 12: Ring-cores, /2018/10/2
- 57/2027/CD, IEC 62325-451-10 ED1: Framework for energy market communications - Part 451-10: Profiles for energy consumption data ("My Energy Data"), 2018/9/28
- 59F/356/CD, IEC 62885-4 ED1: Surface cleaning appliances - Part 4: Cordless dry vacuum cleaners for household or similar use - Methods for measuring the performance, 2018/9/28
- 65/708/CD, IEC 62832-2 ED1: Industrial-process measurement, control and automation - Digital Factory framework - Part 2: Model elements, 2018/9/28
- 76/609/CD, IEC TR 60825-8 ED3: Safety of laser products - Part 8: Guidelines for the safe use of laser beams on humans, 2018/9/28
- 78/1232/CD, IEC 61472-2 ED1: Live working - Minimum approach distances - A method of determination for AC system 1,0 to 72,5 kV, /2018/10/2
- 78/1231/CD, IEC 61243-1 ED3: Live working - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c., /2018/10/2
- 78/1233/Q, Adoption of EN 50321-1 "Live working - Footwear for electrical protection - Insulating footwear and overboots" as an IEC standard, 2018/9/14
- 100/3126/CDV, IEC 61966-12-1 ED2: Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID) (TA 2), /2018/10/2
- 106/457(F)/CDV, IEC 62209-3 ED1: Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 3: Vector probe systems (Frequency range of 100 MHz to 6 GHz), 2018/10/5
- 110/1009/Q, Proposed technical corrigendum to IEC 62908-12-10 Ed. 1: Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, 2018/9/14
- 110/1011/CD, IEC TR 63211-2-12 ED1: Durability test methods for electronic displays - Part 2-12: Environmental tests - Environmental conditions of use, storage and transportation of electronic displays, 2018/9/28
- 111/494/CD, IEC TR 63212 ED1: Study on the feasibility of harmonizing environmental performance criteria for electrical and electronic products, 2018/9/28
- 116/374/CDV, IEC 62841-2-3 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders, /2018/10/2
- 124/36/CD, IEC 63203-204-1 ED1: Wearable electronic devices and technologies - Part 204-1: Electronic textile - Washable durability test method for leisure and sportswear e-textile system, 2018/9/28
- 124/38/NP, PNW 124-38 ED1: Wearable electronic devices and technologies -0 Part 201-2: Electronic Textile - Measurement methods for basic properties of conductive fabric and insulation materials, 2018/9/28
- 124/37/NP, PNW 124-37 ED1: Wearable electronic devices and technologies - Part 201-1: Electronic Textile - Measurement methods for basic properties of conductive yarns, 2018/9/28
- 124/35/CD, IEC 63203-101-1 ED1: Wearable electronic devices and technologies - Part 101-1: Terminology, 2018/9/28



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

BIOTECHNOLOGY (TC 276)

ISO 20387:2018, Biotechnology - Biobanking - General requirements for biobanking, \$185.00

ERGONOMICS (TC 159)

ISO 9241-306:2018, Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays, \$209.00

FINE CERAMICS (TC 206)

ISO 21819-2:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Characteristic of piezoelectric properties under high-load conditions - Part 2: Electrical transient response method under high vibration levels, \$68.00

IMPLANTS FOR SURGERY (TC 150)

ISO 14242-1/Amd1:2018, Implants for surgery - Wear of total hip-joint prostheses - Part 1: Loading and displacement parameters for wear-testing machines and corresponding environmental conditions for test - Amendment 1, \$19.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 20140-2:2018, Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 2: Environmental performance evaluation process, \$68.00

ISO 15926-13:2018, Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 13: Integrated asset planning life-cycle, \$232.00

NUCLEAR ENERGY (TC 85)

ISO 16793:2018, Nuclear fuel technology - Guidelines for ceramographic preparation of UO₂ sintered pellets for microstructure examination, \$68.00

PAINTS AND VARNISHES (TC 35)

ISO 2812-5:2018, Paints and varnishes - Determination of resistance to liquids - Part 5: Temperature-gradient oven method, \$68.00

PLASTICS (TC 61)

ISO 15314:2018, Plastics - Methods for marine exposure, \$68.00

ISO 17281:2018, Plastics - Determination of fracture toughness (GIC and KIC) at moderately high loading rates (1 m/s), \$162.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 8789:2018, Rubber hoses and hose assemblies for liquefied petroleum gas in motor vehicles - Specification, \$68.00

ISO 6101-5:2018, Rubber - Determination of metal content by atomic absorption spectrometry - Part 5: Determination of iron content, \$68.00

STEEL (TC 17)

ISO 4978:2018, Steel sheet and strip for welded gas cylinders, \$68.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 11139:2018, Sterilization of health care products - Vocabulary of terms used in sterilization and related equipment and process standards, \$45.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 10625:2018, Equipment for crop protection - Sprayer nozzles - Colour coding for identification, \$45.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO 20493:2018, Traditional Chinese medicine - Infrared moxibustion-like instrument, \$68.00

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

ISO 8362-1:2018, Injection containers and accessories - Part 1: Injection vials made of glass tubing, \$68.00

VACUUM TECHNOLOGY (TC 112)

ISO 21360-4:2018, Vacuum technology - Standard methods for measuring vacuum-pump performance - Part 4: Turbomolecular vacuum pumps, \$68.00

ISO Technical Reports

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/TR 23021:2018, Traditional Chinese medicine - Controlled vocabulary on Japanese Kampo crude drugs, \$45.00

ISO Technical Specifications

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/TS 15926-12:2018, Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 12: Life-cycle integration ontology represented in Web Ontology Language (OWL), \$209.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21964-1:2018, Information technology - Destruction of data carriers - Part 1: Principles and definitions, \$45.00

ISO/IEC 21964-2:2018, Information technology - Destruction of data carriers - Part 2: Requirements for equipment for destruction of data carriers, \$68.00

ISO/IEC 21964-3:2018, Information technology - Destruction of data carriers - Part 3: Process of destruction of data carriers, \$68.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

Call for Participation

Technical Report on the Use of Drones for Construction and Demolition Operations

American Society of Safety Professionals

The American Society of Safety Professionals is creating a technical report addressing the use of drones for construction and demolition operations. The technical report will be filed with ANSI following creation and approval. If your organization has interest in the creation of such a technical report, please contact ASSP at: Tim Fisher, (847) 768-3411, TFisher@ASSE.Org.

ANSI Accredited Standards Developers

Approval of Reaccreditation

NSF International

The reaccreditation of NSF International, an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NSF International-sponsored American National Standards, effective August 7, 2018. For additional information, please contact: Ms. Jessica Evans, Director, Standards Development, NSF International, 789 N. Dixboro Road, Ann Arbor, MI 48105; phone: 734.913.5774; e-mail: jevans@nsf.org.

International Organization for Standardization

Call for U.S. Participants

ISO Guide 82 – Guidelines for Addressing Sustainability in Standards

Please be advised that the ISO Technical Management Board (ISO/TMB) has agreed to do a limited revision to ISO Guide 82 to include information on how ISO standards can support the UN Sustainable Development Goals. The revision will be limited to including content related to how ISO standards relate to and/or support the SDGs. The rest of ISO Guide 82 will not be not up for revision at this time.

ANSI is seeking U.S. experts to serve on the U.S. Virtual Technical Advisory Group (VTAG) to support this revision. It is anticipated that this project will start in early October, and is supposed to last one year.

Experts interested in participating on the U.S. VTAG for revising ISO Guide 82 should contact ANSI's Daniel Wisner by e-mail at dwisner@ansi.org.

Call for U.S. TAG Administrator

ISO/TC 244 – Industrial Furnaces and Associated Processing Equipment

ANSI has been informed that the Industrial Heating Equipment Association (IHEA), the ANSI-accredited U.S. TAG Administrator for ISO/TC 244, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 244 operates under the following scope:

Standardization of the requirements for industrial thermoprocessing equipment (e.g. heated enclosures such as furnaces, ovens, kilns, lehrs and dryers) and associated processing equipment.

The scope includes, but is not limited to, requirements for safety, energy efficiency (including exergy), design, construction, operation, processes and quality control of processed material.

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).

Meeting Notices

Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: October 22, 2018; 8:00 AM – 4:00 PM CST

Meeting Location: Omni Forth Worth Hotel, 1300 Houston Street, Fort Worth, Texas (Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards. Breakout sessions for B109.1, B109.2, B109.3 and B109.4 will follow main meeting.

Please register on line at www.aga.org. For more information, contact Jeff Meyers, jmeyers@aga.org.

Association of Challenge Course Technology (ACCT) Consensus Group Meetings

The next meeting of the ACCT Consensus Group will be held on Wednesday, September 12th from 12:00 pm to 1:30 pm, Mountain Time for the purpose of:

- Processing comments from the public comment period for BSR/ACCT 03-201X, which closed on March 27, 2018.

Location: ACCT Conference Line

Meeting Date: September 12th, 2018

Time: 12:00 pm – 1:30 pm MST

These meetings are open to the public. Persons wishing to attend this meeting are required to pre-register by contacting Shawn Tierney, ACCT Executive Director shawn@acctinfo.org or (303) 827-2432.

Information Concerning

American National Standards

Notice of ITI (INCITS) Standards to Continue as American National Standards (ANS) under Stabilized Maintenance

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

INCITS 27-1987 [S2018], Magnetic Tape Labels and File Structure for Information Interchange

INCITS 40-1993 [S2018], Unrecorded Magnetic Tape for Information Interchange (9-Track, 800 CPI, NRZI; 1600 CPI, PE; and 6250 CPI, GCR)

INCITS 72-1981 [S2018], Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpmm), Phase Encoded

INCITS 85-1981 [S2018], 1/2-Inch Magnetic Tape Interchange Using a Self-Loading Cartridge

INCITS 113-1987 [S2018], Information Systems - Programming Language - Full BASIC

INCITS 113a-1989 [S2018], Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC

INCITS 118-1998 [S2018], Personal Identification Number - PIN Pad

INCITS 157-1987 [S2018], Recorded Magnetic Tape for Information Interchange 0.5 in (12.7 mm), Tape, Nine Track, 3200 CPI (126 CPMM), Phase Encoded

INCITS 158-1987 [S2018], Serial Recorded Magnetic Tape Cassette for Information Interchange - 0.150 in (3.82 mm), 8000 bpi (315 bpmm) Group Code Recording Streaming Mode, Four Tracks

INCITS 228-1993 [S2018], Information Systems - X.25 Data Transfer Phase (DTP) Procedures for Operation with Frame Relay

INCITS 234-1993 [S2018], Information Systems - Test Methods for Media Characteristics - 130-mm Rewritable Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS)

INCITS X4.6-1979 [S2018], 10-Key Keyboard for Adding and Calculating Machines

INCITS/ISO 8378-3-1986 [S2018], Information Processing - Data Interchange on 130mm (5.25in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 3,8 tpm (96tpi) on both sides - Part 3: Track Format B

INCITS/ISO/IEC 7185:1990 [S2018], Programming Language PASCAL

INCITS/ISO/IEC 11576:1994 [S2018], Procedures for the Registration of Algorithms for the Lossless Compression of Data

INCITS/ISO/IEC 9983:1995 [S2018], Information Processing Systems - Designation of Unrecorded Flexible Disk Cartridges

INCITS/ISO/IEC 13422:1994 [S2018], Information technology - 90 mm flexible disk cartridges - 10 MByte capacity using sector servo tracking

Information Concerning

International Electrotechnical Commission (IEC)

USTAG Administrator Needed – USTAG to IEC/TC 15

Deadline: August 17, 2018

ASTM is relinquishing its role as USTAG Administrator for the USTAG to IEC/TC 15 effective immediately. The USNC is looking for a new organization to take on this USTAG Administratorship.

**Please note, NEMA has expressed official interest in taking on the USTAG Administrator role for the committee listed above.*

Scope/Title:

USTAG to IEC/TC 15, Solid electrical insulating materials

To prepare international standards including specifications for solid electrical insulating materials alone and in simple combinations. This includes coatings which are applied in the liquid state but cure to solids, such as varnishes and coatings.

Note: TC15 strictly understands "simple combination" as insulation materials (e.g., combined flexible materials according to IEC 60626) and not as combinations of insulation materials due to the manufacturing process of electrical devices. This does not exclude that during testing it might be necessary to include electrodes on specimens of material.

TC15 establishes definitions, general requirements and specification sheets for individual types of materials. The standards include test methods and guidance where these are required for the specifications.

If any other organizations are interested in this USTAG Administrator role, they are invited to contact Kendall Szulewski-Francis, USNC Program Administrator, by August 17, 2018 at ksfrancis@ansi.org.

Information Concerning

U.S. National Committee of the IEC

Call for Members USNC and IEC

USNC Needs Members to Join Various USNC Technical Advisory Groups (USTAGs)

The groups are as follows:

1. **USTAG Members for USTAG to CISPR F, *Interference relating to household appliances tools, lighting equipment and similar apparatus***

Scope:

Standardization in the field of limits and particular methods of measurement for control of radio frequency disturbances from (and immunity* of) electric motor operated and thermal appliances for household and similar purposes, electrical tools, lighting equipment, low power semiconductor control devices and similar apparatus.

The scope of activities in CISPR/F comprises, but is not limited to the following typical types of products:

- Kitchen Appliances (i.e., cooking appliances, dishwashers, refrigerators, coffee makers)
- Other Domestic Appliances (i.e., washing machines and dryers, clothes irons, vacuum cleaners, air conditioning systems, etc.)
- Electric and Electronic Toys (motorized toys, electrically powered educational toys, electronic games and gaming consoles)
- Electrically operated power tools (drills, impact drills, screwdrivers, thread cutting machines)
- Lighting and similar equipment (luminaires using e.g., fluorescent lamps or LEDs, street lighting, neon signs, independent ballasts, transformers & convertors, etc.)

If you would like to join this USTAG, please contact the USTAG Secretary Muhammad Ali at Muhammad.ali@nema.org.

2. USTAG Members for USTAG to IEC/TC 7, *Overhead electrical conductors*

Scope:

Specifications and guidance for fabrication and utilization of overhead electrical conductors, including:

- Types of overhead ground wires,
- All shapes of round and non-round wires,
- Hardware directly connected to conductor for the purpose of maintaining electrical/mechanical continuity,
- Conductors made of various metals such as aluminium, steel, copper, etc. and their combinations.

If you would like to join this USTAG, please contact the USTAG Secretary Chris Wong at cwong@ctcglobal.com.

3. USTAG Members for USTAG to IEC/TC 85, *Measuring equipment for electrical and electromagnetic quantities*

Scope:

To prepare international standards for equipment, systems, and methods used in the fields of measurement, test, recurrent test, monitoring, evaluation, generation and analysis of steady state and dynamic (including temporary and transients) electrical and electromagnetic quantities, as well as their calibrators. Such equipment includes devices for testing the safety of power distribution systems and connected equipment, devices for monitoring the power distribution systems, electrical measuring transducers, signal generators, recorders together with their accessories.

NOTE: Product safety aspects are covered by TC 66.

If you would like to join this USTAG, please contact the USTAG Secretary Casey Granata at casey.granata@ul.com.

mushroom head or palm-type pushbuttons shall be at least 25 percent (25%) larger than the surrounding pushbuttons, with a minimum diameter of 1.102 in. (28 mm). See Figure 3.

NOTE The intent is to make these pushbuttons more prominent than surrounding pushbuttons.

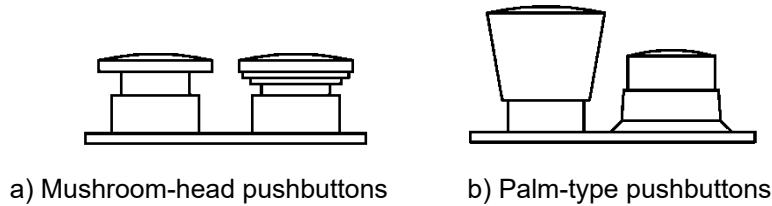


Figure 3 — Types of emergency stop pushbuttons

7.2.2 Colors for emergency stop controls

The emergency stop control shall be red on a yellow background, if a background exists behind the control, and as far as is practicable. The yellow background shall be a minimum of 0.118 in. (3 mm) beyond the mounting collar and visible beyond the control actuator.

When using wire or ropes, it may be useful to improve their visibility by using marker flags attached to them.

8 Mill controls, emergency stop procedures and wash-up mode

8.1 General

One or more emergency stop devices shall be located at positions accessible to the authorized person or other personnel at all times. All equipment shall also have at least one category 0 or category 2 stop, which is intended to be used for non-emergency stops.

8.2 Mills with rolls (working surface) less than 19 in. (482.6 mm) in length

Mills with rolls less than 19 in. (482.6 mm) in length shall be equipped with a minimum of one start-stop station with a stop button, or equivalent; and at least one emergency stop button, or equivalent emergency stop device (e.g. limit switch, trip cable, wire, chain, bar, etc.) located where the emergency stop device can be easily activated from both the apron side and the feed side of the mill frame.

Note It is important that a trip device be correctly positioned such that it stops the machine before personnel can enter the hazard area.

The electrical controls of the machine shall comply with ANSI/NFPA 79.

8.3 Mills with rolls (working surface) 19 in. (482.6 mm) or greater in length

Mills with rolls 19 in. (482.6 mm) or more in length shall be equipped with at least one start-stop station. There shall be both an emergency stop pushbutton and a trip cable located on the feed side of the mill frame and easily accessible to the operator. In addition, there shall be either an emergency stop pushbutton or an equivalent emergency stop device, (e.g. limit switch, trip cable, wire, chain, bar, etc.) located on the apron side of the mill frame ~~located on opposite ends on the apron side of the mill frame~~ and easily accessible to the operator.

Note It is important that a trip device be correctly positioned such that it stops the machine before personnel can enter the hazard area.

NETA MTS-20XX Standard for Maintenance Testing Specifications for Electrical Power Equipment & Systems

D4 – List of Substantive Changes Resulting from Initial Ballot and Public Review

Notes regarding revisions:

1. Where sections are added or deleted and the addition or deletion impacts the numbering of remaining sections following the insertion or deletion, the remaining sections have been renumbered accordingly.
2. Strikethrough indicates deletion of text.
3. Underline indicates insertion of text.

- 7.6.2.A.*17** ~~17.~~ Perform mechanism-motion analysis on all medium- and high-voltage oil circuit breakers.
- ~~7.6.3.B.7~~ Perform power factor or dissipation factor tests on each pole with the breaker open and each phase with the breaker closed.
- ~~7.6.3.B.8~~ Perform power factor or dissipation factor tests on each bushing equipped with a power factor/capacitance tap. In the absence of a power factor/capacitance tap, perform hot-collar tests.
- 7.6.3.B.13** ~~13.~~ Test instrument transformers in accordance with Section 7.10.
- ~~7.9.2.B.5.4~~ For pilot schemes, perform protection system communication tests. ~~a loop-back test to check the receive and transmit communication circuits.~~
- 7.10.1.D.4** Ratio errors should not be greater than values shown in IEEE C57.13. ~~Table 100.21.~~
- ~~7.12.3.B.9~~ Perform magnetron atmospheric condition (MAC) test on each vacuum interrupter.
- 7.15.1.D.2.2** IR 1 min = 100 megohms for most ~~de armature~~ and ac windings built after 1970 (form-wound coils).
- 7.15.2.D.2.14.2** IR 1 min = 100 megohms for most ~~de armature~~ and ac windings built after 1970 (form-wound coils).
- 7.15.2.D.2.2** IR 1 min = 100 megohms for most ~~de armature~~ and ac windings built after 1970 (form-wound coils).
- 7.15.2.D.26** Investigate cause if current signature analysis tests show evidence of ~~cracks or breaks in squirrel cage windings~~, non-uniform air gaps, rolling element bearing defects, etc. Sideband magnitudes less than 40dB from the power frequency are considered indicators of broken bars, whereas, magnitudes of less than 60dB may be a warning of a developing problem. Non-uniform air gaps may be present when the average of the difference between the current magnitudes of the side frequencies from the highest magnitude frequency component are less than 15dB, and a warning if less than 25dB.
- 7.15.3.D.2.2** IR 1 min = 100 megohms for most ~~de armature~~ and ac windings built after 1970 (form-wound coils).
- 7.16.1.2.A.1** Inspect physical, ~~electrical~~, and mechanical condition ~~including evidence of moisture or corona.~~
- 7.21.B.*2** ~~2.~~ Measure insulation resistance of each bust, phase-to-ground with other phases grounded in accordance with manufacturer's published data. In the absence of manufacturer's published data, use Table 100.1.
- 7.21.B.4** Perform insulation power-factor or dissipation-factor tests on each bus phase, phase-to-ground with other phases grounded ~~in accordance with manufacturer's published data.~~
- ~~7.24.1.B.9~~ Perform magnetron atmospheric condition (MAC) test on each vacuum interrupter.
- 11.2.3** Background Ssignal level for baseline reference ~~difference between the area of concern and the reference area.~~
- 11.2.7** Graphical or color-coded diagram representation of the ~~deficient area~~ deficiencies.
- 100.23** Tables 1, 2, and 5 are updated with only one column labeled dB, and the more conservative values were chosen.

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Issue 81, Revision 1 (July 2018)

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NSF International Standard for Dietary Supplements —

Dietary supplements

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-
-

5 Product requirements

-
-
-

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*; *Asiphoia*; *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.

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Annex A (normative)

Table A1 - List of botanicals which require testing for aristolochic acid¹

† <i>Aristolochia</i> spp.	† <i>Asarum forbesii</i>
† <i>Aristolochia acuminata</i>	† <i>Asarum heterotropoides</i>
† <i>Aristolochia argentina</i>	† <i>Asarum sieboldii</i>
† <i>Aristolochia baetica</i>	<i>Akebia</i> spp.
† <i>Aristolochia bracteata</i>	* <i>Akebia quinata</i>
† <i>Aristolochia chilensis</i>	* <i>Akebia trifoliata</i>

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*).

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† <i>Aristolochia cinnabarina</i>	† <i>Thottea siliquosa</i> (syn. <i>Bragantia wallichii</i>)
† <i>Aristolochia clematidis</i>	<i>Clematis</i> spp.
† <i>Aristolochia contorta</i>	* <i>Clematis armandii</i>
† <i>Aristolochia cymbifera</i>	* <i>Clematis chinensis</i>
† <i>Aristolochia debilis</i>	* <i>Clematis hexapetala</i>
† <i>Aristolochia elegans</i>	* <i>Clematis terniflora</i> var. <i>mandshurica</i>
† <i>Aristolochia esperanzae</i>	* <i>Clematis montana</i>
† <i>Aristolochia fangchi</i>	<i>Clematis uncinata</i>
† <i>Aristolochia fimbriata</i>	<i>Cocculus</i> spp.
† <i>Aristolochia indica</i>	<i>Cocculus carolinus</i>
† <i>Aristolochia kaempferi</i>	<i>Cocculus hirsutus</i>
† <i>Aristolochia kwangsiensis</i>	<i>Cocculus indicus</i>
† <i>Aristolochia macrophylla</i>	<i>Cocculus laurifolius</i>
† <i>Aristolochia manshuriensis</i>	<i>Cocculus leaeba</i>
† <i>Aristolochia maurorum</i>	<i>Cocculus madagascariensis</i>
† <i>Aristolochia maxima</i>	* <i>Cocculus orbiculatus</i> (syn. <i>C. trilobus</i>)
† <i>Aristolochia mollissima</i>	<i>Cocculus palmatus</i>
† <i>Aristolochia pistolochia</i>	<i>Cocculus pendulus</i>
† <i>Aristolochia rigida</i>	<i>Cocculus thunbergii</i>
† <i>Aristolochia rotunda</i>	<i>Diploclisia affinis</i> (syn. <i>D. chinensis</i>)
† <i>Aristolochia serpentaria</i>	<i>Menispermum dauricum</i>
† <i>Aristolochia watsonii</i>	* <i>Saussurea costus</i> (syn. <i>S. lappa</i>)
† <i>Aristolochia westlandii</i>	<i>Sinomenium acutum</i> (syn. <i>Cocculus diversifolius</i>)
† <i>Aristolochia zollingeriana</i>	
† <i>Asarum canadense</i>	<i>Stephania</i> spp.
† <i>Asarum himalaicum</i>	* <i>Stephania tetrandra</i>
† <i>Asarum splendens</i>	* <i>Vladimiria souliei</i>
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., <i>Characterization of selected plants that may contain or be adulterated with aristolochic acid</i> . 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 <i>Aristolochia</i> . All other listed taxa are 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.	



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NSF International Standard for Dietary Supplements —

Dietary supplements

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5 Product requirements

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5.3.4.3 Ephedrine alkaloids

Dietary ingredients and finished products that consist of or include *Ephedra* spp. and are marketed in the United States shall be confirmed to be free of ephedrine alkaloids at a limit of detection of 0.1 ppm. Dietary ingredients and finished products that consist of or include *Ephedra* spp. and are marketed in any other country that regulates a maximum level of ephedrine alkaloids shall be confirmed to contain no more than the allowed amount of ephedrine alkaloids at a limit of detection of 0.1 ppm. Dietary ingredients and finished products containing *Ephedra* spp. shall be confirmed to be free of ephedrine alkaloids at this limit of detection according to an appropriate scientifically valid method.

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NSF International Standard for Dietary Supplements —

Dietary supplements

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5 Product requirements

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5.3.4.2 Pyrrolizidine Alkaloids

Dietary supplements and ingredients shall not contain botanicals¹ that produce toxic pyrrolizidine alkaloids (e.g., those containing an unsaturated necine ring) unless such dietary ingredients or products are confirmed to contain less than the Maximum Allowable Level (MAL) of 0.5 µg/day. The concentration of pyrrolizidine alkaloids in dietary supplements and ingredients containing these botanicals shall be evaluated using the appropriate methods.

¹ Including but not limited to: *Alkanna tinctoria* (alkanet); *Arnebia euchroma*, *Anchusa officinalis* (bugloss); *Borago officinalis* (borage)*; *Crotalaria* spp., *Cynoglossum* spp., *Erechtites hieraciifolia*, *Eupatorium cannabinum* (hemp agrimony); *Eupatorium purpureum* (Joe Pye), *Gynura segetum*, *Heliotropium* spp., *Lithospermum officinale* (European gromwell); *Packera candidissima*, *Petasites* spp. (e.g., butterbur); *Senecio jacobaea* (European ragwort); *Senecio vulgaris* (groundsel herb); *Symphytum* spp. (comfrey); and *Tussilago farfara* (coltsfoot).

*Excluding properly processed borage seed oil.

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NSF/ANSI Standard
for Sustainability —

Sustainability assessment for single ply roofing

2.1 Normative references

ANSI/ASHRAE/IESNA 90.1-2010~~16~~¹⁶ – Energy Standard for Buildings Except Low-Rise Residential Buildings³

ASTM D4434 / D4434M, Standard Specification for Poly(Vinyl Chloride) Sheet Roofing⁴

ASTM D4637 / D4637M, Standard Specification for EPDM Sheet Used In Single-Ply Roof Membrane⁴

ASTM D6754, Standard Specification for Ketone Ethylene Ester Based Sheet Roofing⁴

ASTM D6878, Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing⁴

~~ASTM D7067, Standard Specification for Reinforced White PIB Sheet Used in Roofing Membrane⁴~~

ASTM E108, Standard Test Methods for Fire Tests of Roof Coverings⁴

NOTE – For ASTM references, the standard referenced in the normative references will be the most current version of the standard.

District Rule 1113 – 2004~~16~~¹⁶, *Architectural Coatings*⁵

District Rule 1168 – 2005~~17~~¹⁷, *Adhesive and Sealant Applications*⁶

Environment Canada, National Pollutant Release Inventory (NPRI)⁷

³ American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE), 1791 Tullie Circle, N.E. Atlanta, GA 30329. <www.ashrae.org>.

⁴ ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. <<http://www.astm.org>>.

⁵ South Coast Air Quality Management District, 21865 Copley Dr, Diamond Bar, CA 91765. <<http://www.arb.ca.gov/drdb/sc/cur.htm>>.

⁶ Cool Roof Rating Council, 1610 Harrison Street, Oakland, CA 94612. <<http://www.coolroofs.org>>.

⁷ Environment Canada, 200 Sacre-Coeur Blvd., Gatineau, Quebec K1A 0H3 Canada. <<http://www.ec.gc.ca/inrp-npri>>.

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Canadian Construction Material Center (CCMC) Technical Guidance⁸

Global Reporting Initiative (GRI) Sustainability Reporting Framework, G3 Guidelines⁹

International Code Council Evaluation Service (ICCES)¹⁰

International Labour Organization (IARC), Monographs on the Evaluation of Carcinogenic Risks to Humans, International Agency on the Research of Cancer¹¹

International Labour Organization (ILO), Convention 29, Forced Labour Convention, 1930¹²

International Labour Organization (ILO), Convention 105, Abolition of Forced Labour Convention, 1957¹²

International Labour Organization (ILO), Convention 182, Worst Forms of Child Labour Convention, 1999¹²

International Organization for Standardization, (ISO), ISO 14001: 2004¹⁵, Environmental management systems – Requirements with guidance for use¹³

International Organization for Standardization, (ISO), ISO 14020: 2000, Environmental labels and declarations – General principles¹³

International Organization for Standardization, (ISO), ISO 14025: 2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures¹³

International Organization for Standardization, (ISO), ISO 14040: 2006, Environmental management – Life cycle assessment – Principles and framework¹³

International Organization for Standardization, (ISO), ISO 14044: 2006, Environmental management – Life cycle assessment – Requirements and guidelines¹³

International Organization for Standardization, (ISO), ISO 14064-1: 2006, Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals¹³

⁸ National Research Council of Canada, 1200 Montreal Road, Bldg. M-58, Ottawa, Ontario Canada. <www.nrc-cnrc.gc.ca/ccmc>.

⁹ Global Reporting Initiative, PO Box 10039, 1001 EA, Amsterdam, The Netherlands. <<http://www.globalreporting.org>>.

¹⁰ International Code Council Evaluation Service (ICCES) 5360 Workman Mill Road, Whittier, CA 90601. <<http://www.icc-es.org>>.

¹¹ International Agency for Research on Cancer (IARC), 150 Cours Albert Thomas, 69372 Lyon CEDEX 08, France. <<http://monographs.iarc.fr/index.php>>.

¹² International Labour Organization, 4 route des Morillons, CH-122 Genève 22, Switzerland. <<http://www.ilo.org>>.

¹³ International Organization for Standardization (ISO), 1 ch. de la Voie-Creuse, Case postale 56, CH-1211 Geneva, Switzerland. <<http://www.iso.org>>.

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International Organization for Standardization, (ISO), ISO 14064-2: 2006, Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements¹³

International Organization for Standardization, (ISO), ISO 14064-3: 2006, Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions¹³

International Organization for Standardization, (ISO), ISO 9000: 2015, Quality Management¹³

International Responsible Care Initiative, Responsible Care Management System® (RCMS®)¹⁴

Maplecroft, Map of Human Rights Risk¹⁵

National Institute of Standards and Technology (NIST), Building for Environmental and Economic Sustainability (BEES) software¹⁶

Organisation for Economic Co-operation and Development, Measuring Capital: OECD Manual¹⁷

State of California Environmental Protection Agency, Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986/2018 – Chemicals Known to the State to Cause Cancer or Reproductive Toxicity¹⁸

Social Accountability International, SA8000:2008/14, *Social Accountability*¹⁹

Stockholm Convention on Persistent Organic Pollutants (POPs) – Annex A, B, and C²⁰

Underwriters Laboratory, UL-790.8 - 2004/14, Standard Test Methods for Fire Tests of Roof Coverings²¹

US Department of Energy, National Renewable Energy Laboratory (NREL), U.S. Life Cycle Inventory Database²²

US Department of Health and Human Services, National Toxicology Program (NTP), Report on Carcinogens²³

¹⁴ International Responsible Care Initiative. <<http://responsiblecare.org>>.

¹⁵ Maplecroft, The Towers, St Stephen's Road, Bath, BA1 5JZ, United Kingdom. <<http://www.maplecroft.com>>.

¹⁶ National Institute of Standards and Technology (NIST), Building and Fire Research, 100 Bureau Drive, Stop 8600, Gaithersburg, MD 20899-8600. <<http://www.nist.gov/bfrl>>.

¹⁷ OECD, 2, rue Andre' Pascal, 75775 Paris Cedex 16, France. <<http://oecd.org>>.

¹⁸ OEHHA (Office of Environmental Health Hazard Assessment), 1001 Street, P.O. Box 2815, Sacramento, CA 95812-2815. <<http://www.oehha.org/prop65>>.

¹⁹ Social Accountability International, 15 West 44th Street, 6th Floor, New York, NY 10036. <<http://www.sai-intl.org>>.

²⁰ United Nations Environment Programme, Stockholm Convention. 11-13, Chemin des Anémones – 1219 Châtelaine, Switzerland. <<http://chm.pops.int>>.

²¹ Underwriters Laboratories, 2600 N.W. Lake Rd. Camas, WA 98607-8542. <<http://www.ul.com>>.

²² U.S. Department of Energy's National Renewable Energy Laboratory (NREL), 1617 Cole Blvd., Golden, CO 80401. <<http://www.nrel.gov/lci/>>.

²³ National Toxicology Program (NTP): U.S. Department of Health and Human Services, Public Health Service,

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US Environmental Protection Agency (USEPA), ENERGY STAR Roof Products Key Product Criteria²⁴

US Environmental Protection Agency (USEPA), Great Lakes Binational Toxics Strategy (Level I and II Substances)²⁵

US Environmental Protection Agency (USEPA), Integrated Risk Information System (IRIS) database²⁶

US Environmental Protection Agency (USEPA), National Waste Minimization Program, Priority Chemicals²⁷

US Environmental Protection Agency (USEPA), Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts (TRACI)²⁸

US Environmental Protection Agency (USEPA), Toxics Release Inventory (TRI) Program²⁹

US Environmental Protection Agency (USEPA), Toxics Release Inventory (TRI) Program – Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Rules³⁰

US Occupational Safety and Health Administration (OSHA) – Regulated Toxic Metal or Carcinogen³¹

Research Triangle Park, NC 27709. <<http://ntp.niehs.nih.gov/>>.

²⁴ US EPA, ENERGY STAR Hotline (6202J), 1200 Pennsylvania Ave NW, Washington, DC 20460 <<http://www.energystar.gov/>>.

²⁵ US EPA, Great Lakes Binational Toxics Strategy, 1200 Pennsylvania Ave NW, Washington, DC 20460 <[http://www.epa.gov/greatlakes/p2/bns.html#Appendix I](http://www.epa.gov/greatlakes/p2/bns.html#Appendix%20I)>.

²⁶ US EPA, Integrated Risk Information System (IRIS), 1200 Pennsylvania Ave NW, Washington, DC 20460 <<http://www.epa.gov/IRIS/>>.

²⁷ US EPA - Office of Resource Conservation and Recovery, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. <<http://www.epa.gov/epawaste/hazard/wastemin/index.htm>>.

²⁸ US EPA - Office of Research and Development, National Risk Management Research Laboratory, Sustainable Technology Division – Systems Analysis Branch (MS-466), 26 West Martin Luther King Drive, Cincinnati, OH 45268 <<http://www.epa.gov/nrmrl/std/sab/traci/>>.

²⁹ US EPA - TRI Reporting Center, PO Box 10163, Fairfax, VA 22038. <<http://www.epa.gov/tri/index.htm>>.

³⁰ US EPA - TRI Reporting Center, PO Box 10163, Fairfax, VA 22038. <<http://www.epa.gov/triinter/lawsandregs/pbt/pbtrule.htm>>.

³¹ US Occupational Safety and Health Administration (OSHA), 200 Constitution Ave., NW, Washington, DC 20210. <www.osha.gov/>.

BSR/UL 101, Standard for Safety for Leakage Current for Appliances

1. Proposed Revision To Paragraph 5.3.3 To Align With UL 101 Formal Interpretation

5.3.3 The supply voltage is to be sinusoidal of 50Hz or 60Hz, without a DC component, adjusted to the first available of the following:

- a) The voltage specified for the leakage current test in the product standard;
- b) The voltage specified for the normal temperature test in the product standard; or
- c) Maximum rated voltage.

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BSR/UL 867, Standard for Safety for Electrostatic Air Cleaners

1. Exclusion of Hydroxyl Generators from Scope of Standard

1.3 These requirements do not cover air cleaners, such as hydroxyl generators, intended to remove particles other than dust (such as bacteria, virus and mold) and other particles normally found in heating and ventilating systems. For the purpose of clarifying the Scope, the terms “atmospheric hydroxyls” and “hydroxyl generator” are defined in 3.3.1 and 3.7.1 respectively.

3.3.1 ATMOSPHERIC HYDROXYLS - A highly reactive molecule composed of one hydrogen atom bonded to one oxygen atom. These molecules are naturally occurring in the troposphere and are responsible for breaking down or destroying organic compounds, inorganic compounds, bacteria, virus and mold.

3.7.1 HYDROXYL GENERATOR - A product intended to generate natural levels of Atmospheric Hydroxyls indoors. The complete product consists of an assembly of an ultraviolet source, reflection chamber, controls, and other components. This product removes particles other than dust, such as bacteria, virus and mold by the production of Atmospheric Hydroxyls.

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BSR/UL 1201, Standard for Safety for Sensor Operated Backwater Prevention System

1. Update to requirements for the secondary power supply

15.2.2 A secondary power supply such as that intended for installation as described in Clause 15.1.2 shall be provided, and shall be of sufficient capacity to supply the maximum normal power to the system for ~~24~~ 72h in the normal standby condition and thereafter be able to operate ~~the control unit for the backwater valve signals for at least 5 min continuously in the~~ backflow condition.

35.1 Each backwater valve shall be supplied with operation and maintenance instructions by the manufacturer. The maintenance instructions should include the following statement.

When there is a potential for power outages, the owner of the system should ensure that there is adequate power based on their own risk tolerance.

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BSR/UL 1446, Standard for Safety for Systems of Insulating Materials - General

1. Proposal for elimination of requiring a varnish in a varnish required system

SA7 Insulation Systems - One Temperature Thermal Aging

SA7.1 General

SA7.1.1 A one temperature thermal aging program is able to be used instead of full thermal aging in order to evaluate certain system modifications, such as the following:

- a) As an alternative to a chemical compatibility test when adding NIM components.
- b) Reduction of thickness for a ground, interwinding, or encapsulating insulation material. Reduction of thickness of any EIM in the EIS, including reduction down to a zero level.
- c) Qualification of an alternate varnish/magnet wire combination whose thermal indices are no more than one temperature class lower than those of the varnish used in the originally evaluated system, and whose twisted pair thermal indices are less than that of the unvarnished magnet wire. See Section SA5.
- d) Evaluation of a lead wire which is rated more than 5°C (9°F) below the system temperature class rating whereby one or both of the following conditions are met:
 - 1) The lead wire is in direct contact with the windings or enters the outer wrap.
 - 2) The rated temperature of the lead wire is below that referenced in Table 5.1.

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