ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Proposed Tentative Interim Amendment (TIA)

Comment Deadline: January 5, 2020

NESC (C2) (National Electrical Safety Code)

Contact: *Jodi Haasz, +1 732 562 6367, j.haasz@ieee.org*
445 Hoes Lane, Piscataway, NJ 08854

National Electrical Safety Code (C2-2017)

Stakeholders: Utilities

Need: The proposed Tentative Interim Amendment to C2-2017 is to recognize new battery technologies, applications, and their hazards. The current section 14 is written around flooded lead-acid batteries. There are many other battery materials today and the list of potential materials continues to grow. The application that is primarily driving this change are batteries used to store energy for the electric grid. Many of these technologies are hazardous to personnel. This TIA is to expedite this code change since the deployment of these new technologies is moving so quickly and the hazards are significant.

Comment Deadline: January 5, 2020

AARST (American Association of Radon Scientists and Technologists)

Revision

BSR/AARST MAH-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes (revision of ANSI/AARST MAH-2019)

This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in single-family residences for determining if radon mitigation is necessary to protect current and future occupants. This standard applies to homeowners, professionals, and any other party seeking to determine if radon mitigation is necessary for real estate or non-real-estate purposes.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: StandardsAssist@gmail.com

NSF (NSF International)

Revision

BRS/NSF 173-202x (i90r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

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

Click here to view these changes in full

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

BSR/NSF 49-202x (i130r3), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49 -2018)

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

Click here to view these changes in full

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

BSR/NSF 173-202x (i88r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

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

Click here to view these changes in full

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

BSR/NSF 173-202x (i89r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

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

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 970-202x, Standard for Safety for Retail Fixtures and Merchandise Displays (new standard)

This proposed first edition of the Standard for Retail Fixtures and Merchandise Displays covers non-refrigerated or heated commercial displays and other case goods used in retail establishment, including bakeries and restaurants. The term “display(s)” is used to refer to all of the types of products covered by this standard. The products are used in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended for dry, damp, or wet locations and include both electrified and non-electrified products and may include, but are not limited to: shelving units (Gondolas); merchandise kiosks (e.g., mini-stores in the middle of a mall); Point of Sale (POS); motorized displays; hanging displays; wall systems; showcases; display cases; cash wraps, checkout stands (motorized and non-motorized); temporary displays; and product platforms. These requirements cover products rated 600 V ac or less, including those powered by primary or secondary batteries.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1008A-202x, Standard for Safety for Transfer Switch Equipment, Over 1000 Volts (revision of ANSI/UL 1008A-2017)

This proposal for UL 1008A covers: (1) Clarification of required frequencies for tests; (2) Correction to electrical endurance requirements of UL 1008A.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: January 20, 2020

AAMI (Association for the Advancement of Medical Instrumentation)

Revision

BSR/AAMI EQ56-202x, Recommended practice for a medical equipment management program (revision of ANSI/AAMI EQ56-2013)

This recommended practice specifies minimum criteria for a management program designed to minimize certain risks associated with equipment that is used during the routine care of patients in a health care organization. The recommended practice addresses the structure of the program, documentation requirements, staffing, and resources allocated to those responsible for maintaining medical equipment.

Single copy price: Free

Obtain an electronic copy from: pbernat@aami.org

Send comments (with optional copy to psa@ansi.org) to: pbernat@aami.org

AGA (ASC B109) (American Gas Association)

New Standard

BSR B109.2-202x, Diaphragm-Type Gas Displacement Meters (500 Cubic-Feet Hour/Capacity and Over) (new standard)

This publication represents a basic standard for safe operation and substantial and durable construction for diaphragm-type gas displacement meters having a gas flow rating of 500 cubic feet per hour and over (14.2m3/h) at 0.5-inch water column (125 Pa) differential pressure at base conditions. This work is the result of years of experience, supplemented by extensive research. The standard is designed to ensure efficient performance and substantial construction of equipment. This is the fifth edition of standard B109.2, in which several additions/deletions have been made to avoid any ambiguity, to provide more consistency with other B109 standards, to improve upon some requirements, and to allow more leeway for future innovation and developments.

Single copy price: $No charge for PDF of draft

Obtain an electronic copy from: jmeyers@aga.org

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

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

APCO (Association of Public-Safety Communications Officials-International)

Reaffirmation

BSR/APCO 1.116.1-2015 (R202x), Public Safety Communications Common Status Codes for Data Exchange (reaffirmation and redesignation of ANSI/APCO 1.116.1-2015)

This standard identifies a method to allow multiple agencies to share public safety unit status updates among disparate CAD systems while continuing to use their agency-specific Status Codes mapped to the Common Status Codes. Each agency is responsible for identifying how to map or translate their agency-specific Status Codes to the Common Status codes to ensure a clear understanding of the data that is being passed.

Single copy price: Free

Obtain an electronic copy from: bankers@apcointl.org

Order from: bankers@apcointl.org

Send comments (with optional copy to psa@ansi.org) to: https://www.apcointl.org/standards/standards-call-to-action/

APCO (Association of Public-Safety Communications Officials-International)

Revision

BSR/APCO/NENA 1.102.3-202x, Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale (revision and redesignation of ANSI/APCO/NENA 1.102.2-2010)

This standard revision is intended to assist Emergency Communcations Center (ECC) Managers and their governing authorities to identify their current level of service capability. An assessment tool is provided to objectively assess capabilities of the ECC against models representing the best level of preparedness, survivability, and sustainability amidst a wide range of natural and man-made events.

Single copy price: Free

Obtain an electronic copy from: bankers@apcointl.org

Order from: bankers@apcointl.org

Send comments (with optional copy to psa@ansi.org) to: https://www.apcointl.org/standards/standards-call-to-action/

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

BSR X9.117-202x, Secure Remote Access Mutual Authentication (new standard)

The financial services industry relies on several time-honored methods of electronically identifying, authorizing, and authenticating entities and protecting financial transactions. These methods include, but are not limited to: Personal Identification Numbers (PINs) and Message Authentication Codes (MACs) for retail and wholesale financial transactions, user IDs and passwords for network and computer access, and key management for network connectivity. Over the last forty years, banks, investment, and insurance companies have developed risk management processes and policies to support the use of these technologies in financial applications.

Single copy price: $100.00

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

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

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

BSR X9.122-202x, Secure Consumer Authentication for Internet Debit Transactions (new standard)

Consumer demand and industry trends are moving towards debit transactions on the Internet. From an economic perspective, a sizeable percentage of consumers indicate that they are using their credit cards less. In a recent Javelin consumer survey, nearly 40% of consumers indicated that their credit card usage had decreased directly as a result of the state of the economy, yet they are often choosing other payment methods from traditional providers. In order to keep transaction volume from migrating away from them, financial institutions must take advantage of this opportunity to strategically advance products and services so that "alternative" methods of payment are working in their favor. Financial institutions must offer dynamic payment solutions that make use of existing infrastructure to service consumer needs in a manner that is compatible with other constituents in the ecosystem such as merchants and payment networks.

Single copy price: $100.00

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

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

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK69494-202x, Test Method for Triaxial Shear Strength and Cohesion of Equine Sports Surfaces (new standard)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM WK69495-202x, Guide for Using Fourier Infrared Transform (FTIR) to Evaluate Synthetic Equestrian Surface Components (new standard)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM WK69496-202x, Test Method for Gas Chromatography Analysis of Petroleum Waxes Used in Equestrian Synthetic Surfaces (new standard)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM WK69497-202x, Test Method for Measurement of Transition Temperatures of Slack Waxes Used in Equine Sports Surfaces by Differential Scanning Calorimetry (DSC) (new standard)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM WK69498-202x, Test Method for X-Ray Diffraction (XRD) (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

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

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM E2655-2014 (R202x), Guide for Reporting Uncertainty of Test Results and Use of the Term Measurement Uncertainty in ASTM Test Methods (reaffirmation of ANSI/ASTM E2655-2014)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM E2762-2010 (R202x), Practice for Sampling a Stream of Product by Variables Indexed by AQL (reaffirmation of ANSI/ASTM E2762-2010 (R2014))

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

Revision

BSR/ASTM E2846-202x, Guide for Thermocouple Verification (revision of ANSI/ASTM E2846-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

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

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

BSR/ASTM F877-202x, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM F877-2017)

https://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 optional copy to psa@ansi.org) to: Same

BSR/ASTM F2713-202x, Specification for Eye Protectors for Field Hockey (revision of ANSI/ASTM F2713-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

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

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

BSR/ASTM F3077-202x, Specification for Eye Protectors for Women’s Lacrosse (revision of ANSI/ASTM F3077-2017)

https://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 optional copy to psa@ansi.org) to: Same

AWS (American Welding Society)

New Standard

BSR/AWS C3.14M/C3.14-202x, Standard Method For Evaluation of Brazed Joints using Visual and Metallographic Techniques (new standard)

This standard describes and illustrates the test methods used to obtain information related to brazed joint quality and structural integrity. Verification methods include visual observation, as well as metallography of such parameters as braze wetting; braze joint erosion; brazing filler metal penetration;’ differences between excess wetting; lack of wetting and dewetting; and formation of voids, cracks, and features which may be detrimental to end use. Additionally, methods to determine diffusion of braze alloying elements and procedures to qualify such methods are described. Photographs illustrating visual inspection, schematic illustrations, and photomicrographs illustrating various aspects of brazed joint integrity are presented.

Single copy price: $36.00 (Non-Members)/$27.00 (AWS Members)

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger, (800) 443-9353, kbulger@aws.org

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

AWWA (American Water Works Association)

Reaffirmation

BSR/AWWA B102-2014 (R202x), Manganese Greensand for Filters (reaffirmation of ANSI/AWWA B102-2014)

This standard describes manganese greensand used in pressure and gravity filters to remove dissolved iron, manganese, radium, arsenic, and hydrogen sulfide for water supply service applications.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Attn: Vicki David

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B406-202x, Ferric Sulfate (revision of ANSI/AWWA B406-2014)

This standard describes dry-form ferric sulfate and liquid ferric sulfate for use in the treatment of potable water, wastewater, or reclaimed water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

BSR/AWWA B452-202x, EPI-DMA Polyamines (revision of ANSI/AWWA B452-2014)

This standard describes epichlorohydrin dimethylamine (EPI-DMA) polyamines for use in the treatment of potable water, wastewater, and reclaimed water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

BICSI (Building Industry Consulting Service International)

Revision

BSR/BICSI 007-202x, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises (revision of ANSI/BICSI 007-2017)

This standard covers the design and implementation of the information communication technology systems required to support an intelligent building/premise integrated design. Systems covered, include, but are not limited to: building automation/management, utility utilization, lighting, signage and wayfinding, sound and acoustical services, vertical transportation, location, and asset tracking.

Single copy price: Free

Obtain an electronic copy from: jsilveira@bicsi.org

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

CTA (Consumer Technology Association)

New Standard

BSR/CTA 2075-202x, Loudness Standard for Over-the-Top Television (OTT) and Online Video Distribution (OVD) for Mobile and Fixed Devices (new standard)

Develop a loudness standard for mobile and fixed devices that applies guidelines developed by AES to consumer technology devices, optimizing the loudness and listener experience for over-the-top television (OTT) and online video distribution (OVD).

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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

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

FCI (Fluid Controls Institute)

Revision

BSR/FCI 70-2-202x, Control Valve Seat Leakage (revision of ANSI/FCI 70-2-2013)

This standard establishes a series of seat leakage classes for control valves and defines production test procedures.

Single copy price: Free

Obtain an electronic copy from: fci@fluidcontrolsinstitute.org

Send comments (with optional copy to psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

HPVA (Hardwood Plywood Veneer Association)

Revision

BSR/HPVA EF-202x, Standard for Engineered Wood Flooring (revision of ANSI/HPVA EF-2012)

Revise current American National Standard. This Standard establishes nationally recognized requirements for commercially available engineered wood flooring. It is intended to provide manufacturers, distributors, and users with a basis for common understanding of the characteristics of these products.

Single copy price: $40.00

Obtain an electronic copy from: standards@decorativehardwoods.org

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

BSR/HPVA HP-1-202x, Standard for Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2016)

Revise current American National Standard. Standard establishes nationally recognized marketing classifications, quality criteria, test methods, definitions, and product marking and designation practices for decorative hardwood plywood. Proposed revision includes specific sections of the American National Standard to conform to the federal EPA TSCA Title VI emissions standards and to ANSI trademark requirements.

Single copy price: $40.00

Obtain an electronic copy from: standards@decorativehardwoods.org

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

NECA (National Electrical Contractors Association)

New Standard

BSR/NECA 702-202X, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

This publication describes recommended practices for identifying possible causes of electrical equipment mis-operation due to poor power quality, and methods of improving overall system power quality and equipment operation.

Single copy price: $25.00 (NECA members), $55.00 (non-members)

Obtain an electronic copy from: neis@necanet.org

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

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 701-202X, Standard for Energy Management, Demand Response and Energy Solutions (revision of ANSI/NECA 701 -2013)

This standard describes methods and procedures used for performing energy conservation surveys; controlling and managing energy consumptions; implementing the smart grid and demand response; and developing, implementing and evaluating energy conservation measures for residential, commercial, and industrial applications.

Single copy price: $25.00 (NECA members), $55.00 (non-members)

Obtain an electronic copy from: neis@necanet.org

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

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

BSR/NECA/EGSA 404-202X, Standard for Installing Generator Sets (revision and redesignation of ANSI/NECA 404-2014)

This Standard describes installation procedures for generators, rated 1000 volts and less, and related accessories and systems that are permanently installed for on-site standby or emergency power generation that are typically fueled by natural gas, Liquefied Petroleum Gas (LPG) or propane, or diesel. Suck generators may be defined as "emergency systems" or "legally required standby systems" intended to supply power for emergency or life-safety applications in accordance with the NEC, or as "optional standby systems" in accordance with the NEC where life safety does not depend on the performance of the system.

Single copy price: $25.00 (NECA members), $55.00 (non-members)

Obtain an electronic copy from: neis@necanet.org

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 61800-5-1-202x, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2018)

(1) BDM/CDM/PDS supplied by photovoltaic (PV) modules, (2) Update to lithium battery requirements, (3) Addition of UL 2353 for single- and multi-layer insulated winding wire to annex DVA, (4) Clarification of clause DVD.2.1.3.6 and DVD.2.1.3.7, (5) Clarification of scope regarding DC-rated drives, (6) Heat cycling test for spring-loaded bus bar joints, (7) Correction to sections 5.2.3.6DV.1.1.4 and 5.2.3.6DV.1.3.1, (8) Correction to section 5.2.3.6DV.1.6.2, and (9) Test configuration change in section 5.2.3.6.2DV.2.1.1.

Single copy price: Free

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

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 80079-20-2-202x, Standard for Safety for Explosive Atmospheres - Part 20-2: Material Characteristics - Combustible Dusts Test Methods (national adoption with modifications of ISO/IEC 80079-20-2)

This proposal for UL 80079-20-2 describes the test methods for the identification of combustible dust and combustible dust layers in order to permit classification of areas where such materials exist for the purpose of the proper selection and installation of electrical and mechanical equipment for use in the presence of combustible dust in accordance with the National Electrical Code, NFPA 70, as hazardous (classified) locations and include Zone 0, Zone 1, and Zone 2.

Single copy price: Free

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

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 514B-202x, Standard for Conduit, Tubing, and Cable Fittings (revision of ANSI/UL 514B-2014)

(1) Addition of requirements specific to “heavy-duty” liquid-tight flexible metal fittings, (2) Armored cable (AC) tolerances for assembly test (8.15.2.2), (3) Metal-clad (MC) cable, type ACG90 cable, and type ACGWU90 cable tolerances for assembly test (8.22.2.4), (4) Flexible cord tolerances for assembly test (8.27.2.2), (5) Tray cable tolerances for assembly test (8.28.2.2 and 8.28.2.3), (6) Tray cable tolerances for assembly test (8.28.2.5), and (7) Editorial addition to table 8 and table 9.

Single copy price: Free

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 4, 2020

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME Y14.2-2014 (R202x), Line Conventions and Lettering (reaffirmation of ANSI/ASME Y14.2-2014)

This Standard establishes the line and lettering practices for use in the preparation of drawings, including the recognition of the requirements for computer-aided design (CAD) and manually prepared drawings.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section V-202x, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2019)

Section V of the ASME Boiler and Pressure Vessel Code contains requirements and methods for nondestructive examination (NDE), which are referenced and required by other sections of the Code. These NDE methods are intended to detect surface and internal imperfections in materials, welds, fabricated parts and components. The following NDE methods are addressed: radiography, ultrasonics, liquid penetrant, magnetic particle, eddy current, visual, leak testing, and acoustic emission.

Single copy price: Free

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

Order from: Terrell Henry, (212) 591-8489, ansibox@asme.org

Send comments (with optional copy to psa@ansi.org) to: Carlton Ramcharran, (212) 591-7955, ramcharranc@asme.org

ASME (American Society of Mechanical Engineers)

Stabilized Maintenance

BSR/ASME Y32.7-1972 (S202x), Graphic Symbols for Railroad Maps and Profiles (stabilized maintenance of ANSI/ASME Y32.7-1972 (R2014))

This standard represents a compilation and correlation of graphic symbols for use on railroad maps and profiles.

Single copy price: Free

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

Order from: Maria Acevedo, (212) 591-8500, csadmin@asme.org

Send comments (with optional copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 80079-20-1-202x, Standard for Safety for Explosive Atmospheres - Part 20-1: Material Characteristics for Gas and Vapour Classification - Test Methods and Data (national adoption with modifications of ISO/IEC 80079-20-1)

This proposal for UL 80079-20-1 provides guidance on classification of gases and vapors for the purpose of area classification in accordance with the National Electrical Code NFPA 70 as hazardous area classifications and include Zone 0, Zone 1, and Zone 2. It describes a test method intended for the measurement of the maximum experimental safe gaps (MESG) for gas-air mixtures or vapor-air mixtures under normal conditions of temperature and pressure (20°C, 101,3 kPa) so as to permit the selection of an appropriate group of equipment. This document also describes a test method intended for use in the determination of the auto-ignition temperature (AIT) of a vapor-air mixture or gas-air mixture at atmospheric pressure, so as to permit the selection of an appropriate temperature class of equipment.

Single copy price: Free

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

Order from: http://www.shopulstandards.com

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Project Withdrawn

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

ASTM (ASTM International)

BSR/ASTM E1480-1992 (R202x), Terminology of Facility Management (Building-Related) (reaffirmation of ANSI/ASTM E1480-1992 (R2013))

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

BSR/ASTM E2136-2013 (R202x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Durability (reaffirmation of ANSI/ASTM E2136-2013)

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

BSR/ASTM E2156-2013 (R202x), Guide for Evaluating Economic Performance of Alternative Designs, Systems, and Materials in Compliance with Performance Standard Guides for Single-Family Attached and Detached Dwellings (reaffirmation of ANSI/ASTM E2156-2013)

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

BSR/ASTM E2267-2013 (R202x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Indoor Air Quality (reaffirmation of ANSI/ASTM E2267-2013)

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

BSR/ASTM E2320-2004 (R202x), Classification for Serviceability of an Office Facility for Thermal Environment and Indoor Air Conditions (reaffirmation of ANSI/ASTM E2320-2004)

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

BSR/ASTM E2351-2013 (R202x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Functionality (reaffirmation of ANSI/ASTM E2351-2013)

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

BSR/ASTM WK64154-201x, Specimen Preparation and Mounting for Fire-Retardant-Treated Wood (new standard)

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

ISEA (International Safety Equipment Association)

BSR/ISEA Z358.1-201x, Emergency Eyewash and Shower Equipment (revision of ANSI/ISEA Z358.1-2014)

Inquiries may be directed to Cristine Fargo, (703) 525-1695, cfargo@safetyequipment.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

API (American Petroleum Institute)

ANSI/API RP 17G/ISO 13628-7-2006 (R2016), Recommended Practice for Completion/Workover Riser Systems

Questions may be directed to: Edmund Baniak, (202) 682-8135, baniake@api.org

ANSI/API Spec 6A/ISO 10423-2010 (R2018), Specification for Wellhead and Christmas Tree Equipment

Questions may be directed to: Edmund Baniak, (202) 682-8135, baniake@api.org

ASTM (ASTM International)

ANSI/ASTM E1480-1992 (R2013), Terminology of Facility Management - Building-Related

ANSI/ASTM E1660-1995A (R2018), Classification for Serviceability of an Office Facility for Support for Office Work

ANSI/ASTM E1661-1995A (R2018), Classification for Serviceability of an Office Facility for Meetings and Group Effectiveness

ANSI/ASTM E1662-1995A (R2018), Classification for Serviceability of an Office Facility for Sound and Visual Environment

ANSI/ASTM E1663-2003 (R2019), Classification for Serviceability of an Office Facility for Typical Office Information Technology

ANSI/ASTM E1664-2019, Classification for Serviceability of an Office Facility for Layout and Building Factors

ANSI/ASTM E1664-1995A (R2018), Classification for Serviceability of an Office Facility for Layout and Building Factors

ANSI/ASTM E1665-1995A (R2018), Classification for Serviceability of an Office Facility for Facility Protection

ANSI/ASTM E1666-1995A (R2018), Classification for Serviceability of an Office Facility for Work Outside Normal Hours or Conditions

ANSI/ASTM E1667-1995 (R2018), Classification for Serviceability of an Office Facility for Image to the Public and Occupants

ANSI/ASTM E1668-1995A (R2018), Classification for Serviceability of an Office Facility for Amenities to Attract and Retain Staff

ANSI/ASTM E1669-1995A (R2018), Classification for Serviceability of an Office Facility for Location, Access and Wayfinding

ANSI/ASTM E1670-1995A (R2018), Classification for Serviceability of an Office Facility for Management of Operations and Maintenance

ANSI/ASTM E1671-1995A (R2018), Classification for Serviceability of an Office Facility for Cleanliness

ANSI/ASTM E1679-2013 (R2019), Practice for Setting the Requirements for the Serviceability of a Building or Building-Related Facility, and for Determining What Serviceability is Provided or Proposed

ANSI/ASTM E1692-1995A (R2018), Classification for Serviceability of an Office Facility for Change and Churn by Occupants

ANSI/ASTM E1693-1995 (R2018), Classification for Serviceability of an Office Facility for Protection of Occupant Assets

ANSI/ASTM E1694-1995A (R2018), Classification for Serviceability of an Office Facility for Special Facilities and Technologies

ANSI/ASTM E1700-2016, Classification for Serviceability of an Office Facility for Structure and Building Envelope

ANSI/ASTM E1701-1995 (R2018), Classification for Serviceability of an Office Facility for Manageability

ANSI/ASTM E2026-2016, Guide for Seismic Risk Assessment of Buildings
Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ANSI/ASTM E2136-2013, Standard Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Durability

ANSI/ASTM E2156-2013, Standard Guide for Evaluating Economic Performance of Alternative Designs, Systems, and Materials in Compliance with Performance Standard Guides for Single-Family Attached and Detached Dwellings

ANSI/ASTM E2267-2013, Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Indoor Air Quality

ANSI/ASTM E2320-2019, Classification for Serviceability of an Office Facility for Thermal Environment and Indoor Air Conditions

ANSI/ASTM E2320-2004 (R2018), Classification for Serviceability of an Office Facility for Thermal Environment and Indoor Air Conditions

ANSI/ASTM E2351-2013, Standard Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Functionality

ANSI/ASTM E2557-2016, Practice for Probable Maximum Loss (PML) Evaluations for Earthquake Due-Diligence Assessments
Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ANSI/ASTM E2619-2017, Practice for Measuring and Calculating Building Loss Features that Take Up Floor Area in Buildings
Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ANSI/ASTM E3075-2018, Test Method for Water Immersion and Drying for Evaluation of Flood Damage Resistance

ANSI/ASTM E3075-2018a, Test Method for Water Immersion and Drying for Evaluation of Flood Damage Resistance

Correction

Error in Call-for-Comment Listings

ASTM F2747-2019

ASTM F2747, Guide for Construction of Sand-based Rootzones for Golf Putting Greens and Tees was mistakenly listed as both withdrawn and approved in the November 29, 2019 Standards Action.

An earlier edition of this standard had been withdrawn but it was subsequently reinstated as a new ANS Standard.

The notification of approval dated 11/5/2019 for ANSI/ASTM F2747-2019 was correctly announced in Final Actions.

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Patrick Bernat
Phone: (703) 253-8298
E-mail: pbernat@aami.org
Office: 901 N. Glebe Road, Suite 300
Arlington, VA 22203

BSR/AAMI EQ56-202x, Recommended practice for a medical equipment management program (revision of ANSI/AAMI EQ56 -2013)

AWS (American Welding Society)

Contact: Kevin Bulger
Phone: (800) 443-9353
E-mail: kbulger@aws.org
Office: 8669 Doral Blvd
Suite 130
Doral, FL 33166

BSR/AWS C3.14M/C3.14-202x, Standard Method For Evaluation of Brazed Joints using Visual and Metallographic Techniques (new standard)

CTA (Consumer Technology Association)

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

BSR/CTA 2075-202x, Loudness Standard for Over-the-Top Television (OTT) and Online Video Distribution (OVD) for Mobile and Fixed Devices (new standard)

FCI (Fluid Controls Institute)

Contact: Leslie Schraff
Phone: (216) 241-7333
E-mail: fci@fluidcontrolsinstitute.org
Office: 1300 Sumner Avenue
Cleveland, OH 44115

BSR/FCI 70-2-202x, Control Valve Seat Leakage (revision of ANSI/FCI 70-2-2013)

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy
Phone: (917) 913-0027
E-mail: pmcgillicuddy@ies.org
Office: 120 Wall Street, Floor 17
New York, NY 10005

BSR/IES RP-17-202x, Recommended Practice: Photobiological Safety for Lamps and Lamp Systems (revision, redesignation and consolidation of ANSI/IESNA RP-27.1-2015, ANSI/IESNA RP-27.2 -2000 (R2010), ANSI/IES RP-27.3-2017)

NECA (National Electrical Contractors Association)

Contact: Aga Golriz
Phone: (301) 215-4549
E-mail: Aga.golriz@necanet.org
Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

BSR/NECA 701-202X, Standard for Energy Management, Demand Response and Energy Solutions (revision of ANSI/NECA 701-2013)

BSR/NECA 702-202X, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

BSR/NECA/EGSA 404-202X, Standard for Installing Generator Sets (revision and redesignation of ANSI/NECA 404-2014)

NSF (NSF International)

Contact: Allan Rose
Phone: (734) 827-3817
E-mail: arose@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF 49-202x (i130r3), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018)

Contact: Rachel Brooker
Phone: (734) 827-6866
E-mail: rbrooker@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BRS/NSF 173-202x (i90r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

BSR/NSF 173-202x (i88r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

BSR/NSF 173-202x (i89r1), Dietary Supplements (revision of ANSI/NSF 173-2019)

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.

ADA (American Dental Association)

Reaffirmation

ANSI/ADA Standard No. 1039-2006 (R2019), Standard Clinical Conceptual Data Model (reaffirmation of ANSI/ADA Standard No. 1039-2006 (R2014)): 11/26/2019

Revision

ANSI/ADA Standard No. 2000.3-2019, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.2-2018): 11/26/2019

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

ANSI/ASAE EP378.4 JUN2010 (R2019), Floor and Suspended Loads on Agricultural Structures Due to Use (reaffirmation of ANSI/ASAE EP378.4 JUN2010 (R2014)): 11/26/2019

ANSI/ASAE EP559.1 W/Corr. 1 AUG2010 (R2019), Design Requirements and Bending Properties for Mechanically Laminated Wood Assemblies (reaffirmation of ANSI/ASAE EP559.1 W/Corr. 1 AUG2010 (R2014)): 11/26/2019

ASSP (Safety) (American Society of Safety Professionals)

New National Adoption

ANSI/ASSP/ISO 31010-2019, Risk Management - Risk Assessment Techniques (identical national adoption of ISO/IEC 31010:2019 and revision of ANSI/ASSE Z690.3-2011): 11/26/2019

CTA (Consumer Technology Association)

Reaffirmation

* ANSI/CTA 2028-B-2014 (R2019), Color Codes for Outdoor TV Receiving Antennas (reaffirmation of ANSI/CTA 2028-B-2014): 11/26/2019

* ANSI/CTA 2032-B-2014 (R2019), Indoor TV Receiving Antenna Performance Standard (reaffirmation of ANSI/CTA 2032-B-2014): 11/26/2019

Revision

ANSI/CTA 2043-A-2019, Set-top Box (STB) Power Measurement (revision and redesignation of ANSI/CTA 2043-2013): 11/26/2019

Stabilized Maintenance

* ANSI/CTA 608-E S-2008 (S2019), Line 21 Data Services (stabilized maintenance of ANSI/CTA 608-E-2008 (R2014)): 11/26/2019

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

ANSI C136.22-2019, Roadway and Area Lighting Equipment - Internal Labeling of Luminaires (revision of ANSI C136.22-2004 (R2014)): 11/26/2019

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 13E-2020, Recommended Practice for Fire Department Operations in Properties Protected by Sprinkler & Standpipe Systems (revision of ANSI/NFPA 13E-2015): 11/24/2019

ANSI/NFPA 31-2020, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2016): 11/24/2019

ANSI/NFPA 56-2020, Standard for Fire and Explosion Prevention During Cleaning and Purging of Flammable Gas Piping Systems (revision of ANSI/NFPA 56-2018): 11/24/2019

ANSI/NFPA 61-2020, Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities (revision of ANSI/NFPA 61-2017): 11/24/2019

ANSI/NFPA 75-2020, Standard for the Fire Protection of Information Technology Equipment (revision of ANSI/NFPA 75-2017): 11/24/2019

ANSI/NFPA 76-2020, Standard for the Fire Protection of Telecommunications Facilities (revision of ANSI/NFPA 76-2016): 11/24/2019

ANSI/NFPA 91-2020, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids (revision of ANSI/NFPA 91 -2015): 11/24/2019

ANSI/NFPA 120-2020, Standard for Fire Prevention and Control in Coal Mines (revision of ANSI/NFPA 120-2015): 11/24/2019

ANSI/NFPA 122-2020, Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities (revision of ANSI/NFPA 122-2015): 11/24/2019

ANSI/NFPA 600-2020, Standard on Facility Fire Brigades (revision of ANSI/NFPA 600-2015): 11/24/2019

ANSI/NFPA 601-2020, Standard for Security Services in Fire Loss Prevention (revision of ANSI/NFPA 601-2015): 11/24/2019

ANSI/NFPA 664-2020, Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities (revision of ANSI/NFPA 664 -2017): 11/24/2019

ANSI/NFPA 730-2020, Guide for Premises Security (revision of ANSI/NFPA 730-2018): 11/24/2019

ANSI/NFPA 731-2020, Standard for the Installation of Electronic Premises Security Systems (revision of ANSI/NFPA 731-2017): 11/24/2019

ANSI/NFPA 804-2020, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 804-2015): 11/24/2019

ANSI/NFPA 805-2020, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 805 -2015): 11/24/2019

ANSI/NFPA 806-2020, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process (revision of ANSI/NFPA 806-2015): 11/24/2019

ANSI/NFPA 850-2020, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations (revision of ANSI/NFPA 850-2015): 11/24/2019

ANSI/NFPA 853-2020, Standard for the Installation of Stationary Fuel Cell Power Systems (revision of ANSI/NFPA 853-2015): 11/24/2019

ANSI/NFPA 950-2020, Standard for Data Development and Exchange for the Fire Service (revision of ANSI/NFPA 950-2015): 11/24/2019

ANSI/NFPA 1021-2020, Standard for Fire Officer Professional Qualifications (revision of ANSI/NFPA 1021-2014): 11/24/2019

ANSI/NFPA 1201-2020, Standard for Providing Fire and Emergency Services to the Public (revision of ANSI/NFPA 1201-2015): 11/24/2019

ANSI/NFPA 1250-2020, Recommended Practice in Fire and Emergency Service Organization Risk Management (revision of ANSI/NFPA 1250 -2015): 11/24/2019

ANSI/NFPA 1405-2020, Guide for Land-Based Fire Departments that Respond to Marine Vessel Fires (revision of ANSI/NFPA 1405-2016): 11/24/2019

ANSI/NFPA 1407-2020, Standard for Training Fire Service Rapid Intervention Crews (revision of ANSI/NFPA 1407-2015): 11/24/2019

ANSI/NFPA 1408-2020, Standard for Training Fire Service Personnel in the Operation, Care, Use, and Maintenance of Thermal Imagers (revision of ANSI/NFPA 1408-2015): 11/24/2019

ANSI/NFPA 1410-2020, Standard on Training for Emergency Scene Operations (revision of ANSI/NFPA 1410-2015): 11/24/2019

ANSI/NFPA 1521-2020, Standard for Fire Department Safety Officer Professional Qualifications (revision of ANSI/NFPA 1521-2015): 11/24/2019

ANSI/NFPA 1561-2020, Standard on Emergency Services Incident Management System and Command Safety (revision of ANSI/NFPA 1561 -2014): 11/24/2019

ANSI/NFPA 1616-2020, Standard on Mass Evacuation, Sheltering, and Re-entry Programs (revision of ANSI/NFPA 1616-2017): 11/24/2019

ANSI/NFPA 1620-2020, Standard for Pre-Incident Planning (revision of ANSI/NFPA 1620-2015): 11/24/2019

ANSI/NFPA 1931-2020, Standard for Manufacturers Design of Fire Department Ground Ladders (revision of ANSI/NFPA 1931-2015): 11/24/2019

ANSI/NFPA 1932-2020, Standard on Use, Maintenance, and Service Testing of In-Service Fire Department Ground Ladders (revision of ANSI/NFPA 1932-2015): 11/24/2019

ANSI/NFPA 1951-2020, Standard on Protective Ensembles for Technical Rescue Incidents (revision of ANSI/NFPA 1951-2013): 11/24/2019

ANSI/NFPA 2010-2020, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2015): 11/24/2019

NSF (NSF International)

Revision

ANSI/NSF 14-2019 (i104r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018): 11/26/2019

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 102.AABA-C-2019, Project 25 - Trunking Overview (revision and redesignation of ANSI/TIA 102.AABA-B-2011): 11/26/2019

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 1389-2019, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (new standard): 11/25/2019

Reaffirmation

ANSI/UL 60745-2-2-2014 (R2019), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches (reaffirmation of ANSI/UL 60745-2-2 -2014): 11/25/2019

Revision

ANSI/UL 1059-2019, Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2017): 11/26/2019

Project Initiation Notification System (PINS)

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

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

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

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 139-202x, Reporting DNA Conclusions (new standard)

Stakeholders: Forensic DNA laboratories.

Project Need: While reporting conclusions is currently required by the various accreditation bodies, there are no published consensus standards for required content of those conclusions. This document provides requirements for elements of DNA conclusions and will promote consistency within the community.

This standard contains the reporting requirements for autosomal STR and haplotype DNA conclusions for results obtained from evidentiary samples in forensic casework and does not apply to paternity or any other biological relatedness conclusions. This standard only addresses the requirements for providing DNA conclusions in the report.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK70693-202x, New Test Method for Assessing Carpet Wetness after cleaning with a Wet Extraction Cleaning System (new standard)

Stakeholders: Extractor Cleaners industry.

Project Need: There are two major consumer performance assessments of wet carpet cleaning appliances (i.e., Extractors), those being carpet cleaning performance, and carpet cleaning wetness. Carpet wetness is an indirect indication of the cleaner's suction performance and carpet drying time, both of which are meaningful to the user of such products. The F11.35 Subcommittee has developed a method for assessing cleaning performance of these products but currently has not established an industry standard for assessing carpet wetness.

This test method provides only a laboratory test for determining the relative carpet wetness after cleaning with a wet extraction cleaning system when tested under standard conditions. This method assesses the wetness of carpets by measuring the weight (mass) of remaining moisture in carpet after performing a standard cleaning cycle, and then calculating the mass density of the wetted area created visually by the wet extraction cleaner.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
120 Wall Street, Floor 17, New York, NY 10005

Revision

BSR/IES RP-27-202x, Recommended Practice: Photobiological Safety for Lamps and Lamp Systems (revision, redesignation and consolidation of ANSI/IESNA RP-27.1-2015, ANSI/IESNA RP-27.2-2000 (R2010), ANSI/IES RP-27.3-2017)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, luminaire and light source manufacturers, lighting test labs, regulatory agencies, the general public.

Project Need: Specific recommendations are included to provide consistency and to reduce test design time and effort. Further, this Recommended Practice is to be used by the radiometrist for guidance regarding special problems related to photobiological hazard measurements. Three IES standards, IES RP-27.1, 27.2, and 27.3, will be merged into a single standard, IES RP-27.

This Recommended Practice covers the classification, labeling and informational requirements for lamps that emit optical radiation in the wavelength range from 200 nm to 3000 nm, with exception for LEDs used in optical fiber communication systems and for lasers. Lamps included are incandescent filament lamps including tungsten halogen types and incandescent heating sources, low pressure discharge lamps, high intensity discharge (HID) lamps, short arc lamps, carbon arcs, electroluminescent lamps, LEDs, organic LEDs (OLEDs), and laser-driven broadband sources. For the purposes of this document, induction lighting is classified under fluorescent lamps and plasma lighting is classified under HID lamps. Federal mandatory requirements for lamps subject to specific Federal Regulations take precedence over requirements included in this consensus standard.

INMM (ASC N15) (Institute of Nuclear Materials Management)

Contact: Lynne Preston, (301) 903-2627, lynne.preston@hq.doe.gov
1000 Independence Ave SW, Washington, DC 20585-1290

Revision

BSR N15.56-202x, Nondestructive Assay Program - Nondestructive Assay Measurements of Nuclear Material Holdup: General Provisions (revision of ANSI N15.56-2014)

Stakeholders: Stakeholders include those in nuclear material accounting and control (NMAC), nuclear safeguards, nuclear criticality safety, facility waste management, deactivation and decommissioning (D&D) programs, facility characterization, authorization basis, radiological safety, and site licensing authorities. Stakeholder input will be solicited and incorporated in the revision of ANSI N15.56-2014.

Project Need: The need to revise ANSI N15.56-2014 arises from improvements in holdup measurement methods such as new analysis techniques, software platforms, detector types and capabilities. The standard will continue to provide guidance on the use of NDA methods in nuclear materials holdup measurements and assist users in expressing the results of those measurements in a consistent manner.

This standard defines general administrative practices for Non-Destructive Assay (NDA) of nuclear materials holdup in facilities that handle, store, and process special nuclear material (SNM). SNM is routinely deposited or entrapped in the equipment, interconnecting piping, ductwork, hoods, glove boxes, and other equipment used in material handling, and is referred to as material "held up in process" or simply "holdup." The revision to this standard will provide updated guidance to NDA practitioners on definitions, procedures, data quality objectives, recordkeeping, measurement techniques, and calculations of measurement values with uncertainties. There is no plan to submit this standard for consideration by ISO, IEC, or ISO/IEC JTC-1 for adoption as international standard.

IPC (IPC - Association Connecting Electronics Industries)

Contact: Jeanne Cooney, (847) 597-2842, JeanneCooney@ipc.org
3000 Lakeside Drive, Suite 309-S, Bannockburn, IL 60015

New Standard

BSR/IPC 9253-202x, Requirements for Electrical Testing of Flexible Printed Electronics (new standard)

Stakeholders: Electronics Manufacturing industry.

Project Need: The IPC D-64 Subcommittee, which is developing IPC 6902, needs to reference an electrical testing standard. The current standard (IPC 9252) does not fully apply to flexible printed electronics, so it will use IPC 9252 as a starting point to develop this new standard and to publish it in time for the release of IPC 6902.

This document establishes requirements for electrical testing flexible printed electronics, including selecting the test analyzer, test parameters, test data, and fixtures required to perform electrical test(s).

UL (Underwriters Laboratories, Inc.)

Contact: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.org
12 Laboratory Drive, Research Triangle Park, NC 27709-3995

New National Adoption

BSR/UL 62990-1-202x, Standard for Safety for Workplace Atmospheres - Part 1: Gas Detectors - Performance Requirements of Detectors for Toxic Gases (national adoption with modifications of IEC 62990-1)

Stakeholders: Industry, Government, and consumer representatives.

Project Need: UL adoption of the IEC 62990-1 standard for replacement of the ANSI/ISA 92.00.00 standard in order to include both health monitor and safety monitor type toxic gas detector performance requirements for workplace environments.

The standard specifies general requirements for design, function and performance, and describes the test methods that apply to portable, transportable, and fixed equipment for the detection and concentration measurement of toxic gases and vapors in workplace atmospheres and other industrial and commercial applications.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8298
Web: www.aami.org

AARST
American Association of Radon Scientists and Technologists
527 Justice Street
Hendersonville, NC 28739
Phone: (202) 830-1110
Web: www.aarst.org

ADA (Organization)
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129
Web: www.ada.org

AGA (ASC B109)
American Gas Association
400 N. Capitol St., NW
Washington, DC 20001
Phone: (202) 824-7333
Web: www.aga.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153
Web: www.apcoIntl.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7027
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
6th Floor
New York, NY 10016-5990
Phone: (212) 591-8500
Web: www.asme.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Hwy
Park Ridge, IL 60068
Phone: (847) 768-3475
Web: www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Web: www.astm.org

AWS
American Welding Society
8669 Doral Blvd
Suite 130
Doral, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

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

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

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

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

HPVA
Hardwood Plywood Veneer Association
42777 Trade West Drive
Sterling, VA 20166
Phone: (703) 435-2900
Web: www.DecorativeHardwoods.org

IES
Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.org

INMM (ASC N15)
Institute of Nuclear Materials Management
1000 Independence Ave SW
Washington, DC 20585-1290
Phone: (301) 903-2627
Web: www.inmm.org

IPC
IPC - Association Connecting Electronics Industries
3000 Lakeside Drive
Suite 309-S
Bannockburn, IL 60015
Phone: (847) 597-2842
Web: www.ipc.org

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

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246
Web: www.nfpa.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-6866
Web: www.nsf.org

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

UL
Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851
Web: www.ul.com

ExSC_017_2019

December 6, 2019 ANSI Standards Action
(www.ansi.org/standardsaction)

Proposed Revision to the *ANSI Essential Requirements: Due process Requirements for American National Standards* (www.ansi.org/essentialrequirements)

Public Comments are due to psa@ansi.org by January 17, 2020

The *ANSI Essential Requirements* governs and applies to the American National Standards (ANS) process and to the procedures used by ANSI-Accredited Standards Developers (ASDs) (www.ansi.org/asd) in connection with proposed and approved ANS only.

During this public comment period, the ANSI Executive Standards Council (ExSC) is accepting comments on the proposed revision that follows and that is shown in strike-through-underline format. This revision is the result of the ExSC's consideration over several years of multiple proposed revisions and comments submitted by consumer representatives, ANSI March 2018 ANS Workshop participants and other stakeholders. The proposed revision reflects modified text as shown in sections *1.5 Notification of standards development*, *2.1 Openness*, *2.3 Balance*, *2.5 Notification of standards development and coordination* and *2.8 Appeals.* The proposed revision is intended to clarify existing requirements and process implementation expectations and, in some cases, establish new procedural requirements.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the ANSI online public library after the close of the public comment deadline. The ANSI ExSC will consider all timely public comments received and provide a written response to commenters. If substantive changes are made to this proposed revision, another public comment opportunity for those changes will be announced in a future edition of *ANSI Standards Action*. Final approved procedural revisions will appear in a future edition of the *ANSI Essential Requirements*, which is typically issued each January.

Public Comments are due to psa@ansi.org by January 17, 2020.

ExSC_017_2019

ANSI Standards Action – December 6, 2019

Proposed revisions to the *ANSI Essential Requirements*
(www.ansi.org/essentialrequirements)

1.3 Balance

The standards development process should have a balance of interests. Participants from diverse interest categories shall be sought with the objective of achieving balance. If a consensus body lacks balance in accordance with the historical criteria for balance, and no specific alternative formulation of balance was approved by the ANSI Executive Standards Council, outreach to achieve balance shall be undertaken.

2.1 Openness

Timely and adequate notice of any action to create, revise, reaffirm, or withdraw a standard, and the establishment of a new consensus body shall be provided to all known directly and materially affected interests. Notice should include a clear and meaningful description of the purpose of the proposed activity and shall identify a readily available source for further information. In addition, the member's name (or if membership is by organization, the name of the organization with a point of contact), affiliation~~1~~ and interest category of each member of the consensus body shall be made available to interested parties upon request.

The affiliation of a consensus body member refers to the entity that the consensus body member represents (which may or may not be that person's employer). If the consensus body member is serving in an individual capacity, then the name of the individual, that person's employer (if employed), sponsor (if other than employer) and interest category shall be made available. Contact information is not required.

2.2 Lack of dominance

Unless it is claimed in writing (including electronic communications) by a directly and materially affected party that a single interest category, individual or organization dominated the standards development process, no test for dominance is required.

2.3 Balance

Historically the criteria for balance are that a) no single interest category constitutes more than one-third of the membership of a consensus body dealing with safety-related standards or b) no single interest category constitutes a majority of the membership of a consensus body dealing with other than safety-related standards.

The interest categories appropriate to the development of consensus in any given standards activity are a function of the nature of the standards being developed. Interest categories shall be discretely defined, cover all materially affected parties and differentiate each category from the other categories. Such definitions shall be available upon request.

Consensus body members, including consultants[2], shall normally be classified in accordance with the business or other interests of their employers or the sponsor they represent in connection with the standards development activity. In cases where a consensus body member receives funding from the sponsoring

~~[1] "Affiliation" refers to the entity that the consensus body member represents (which may or may not be that person's employer). If the consensus body member is serving in an individual capacity, then the name of the individual, that person's employer, sponsor and interest category should be available. Contact information is not required.~~

[2] For purposes of this section, a "consultant" is someone who agrees to provide professional advice or representation in exchange for compensation, financial or otherwise.

ASD or other entity, that information shall be disclosed, to determine if it will impact the participant's interest classification.

In defining the interest categories appropriate to a standards activity, consideration shall be given to at least the following:

a) producer;

b) user;

c) general interest.

A "General Interest" category, if one is offered, should include only those whose business or other interests are not covered by a discretely defined interest category, or those who represent multiple interest categories.

Where appropriate, additional interest categories should be considered.[3] However, interest categories shall not be created for the purpose of avoiding balance requirements.

Appropriate, representative user views shall be actively sought and fully considered in standards activities. Whenever possible, user participants shall be those with the requisite technical knowledge, but other users may also participate. User participation should come from both individuals and representatives of organized groups. There are several user categories:

1. User-consumer: Where the standards activity in question deals with a consumer product, such as lawn mowers or aerosol sprays, an appropriate consumer participant's view is considered to be synonymous with that of the individual user – a person using goods and services rather than producing or selling them.
2. User-industrial: Where the standards activity in question deals with an industrial product, such as steel or insulation used in transformers, an appropriate user participant is the industrial user of the product.
3. User-government: Where the standards activity in question is likely to result in a standard that may become the basis for government agency procurement, an appropriate user participant is the representative of that government agency.
4. User-labor: Where the standards activity in question deals with subjects of special interest to the American worker, such as products used in the workplace, an appropriate user participant is a representative of labor.

1.5 Notification of standards development

Reasonable advance ~~N~~n~~N~~otification of standards development activity shall be announced in suitable media as appropriate to demonstrate and provide a meaningful~~n~~ opportunity for participation, debate and deliberation by all directly and materially affected persons in a fair and equitable manner.

2.5 Notification of standards development and coordination

Reasonable timely ~~N~~n~~N~~otification of standards activity, including formation of a consensus body or a consensus body meeting, shall be announced in suitable media as appropriate to demonstrate and provide a meaningful ~~the the~~ opportunity for participation by all directly and materially affected persons in a fair and equitable manner.

Developers are encouraged to consult any relevant international or regional guides that may impact the

[3] Further interest categories that may be used to categorize directly and materially affected persons consist of, but are not limited to, the following: a) Consumer; b) Directly affected public; c) Distributor and retailer; d) Industrial/commercial; e) Insurance; f) Labor; g) Manufacturer; ~~h) Professional society~~; I) Regulatory agency; j) Testing laboratory; ~~k) Trade association.~~

proposed standard and shall advise the relevant ANSI-Accredited U.S. TAG(s) if the standard is intended to be submitted for consideration as an ISO, IEC or ISO/IEC JTC-1 standard.

2.5.1 Project Initiation Notification (PINS)

At the initiation of a project to develop or revise an American National Standard[4], notification shall be transmitted to ANSI using the Project Initiation Notification System (PINS) form, or its equivalent, for announcement in *Standards Action*. Comments received in connection with a PINS announcement shall be handled in accordance with these procedures.

A statement shall be submitted and published as part of the PINS announcement that shall include:

(a) an explanation of the need for the project, including, if it is the case, a statement of intent to submit the standard for consideration as an ISO, IEC or ISO/IEC JTC-1 standard;~~;~~ ~~and~~and

(b) identification of the stakeholders (e.g., telecom, consumer, medical, environmental, etc.) likely to be directly impacted by the standard; and

~~(b)~~(c) the interest categories that will (are expected to) comprise the consensus body.

If the response to sub-section (b) changes substantively as the standard is developed, a revised PINS shall be submitted and published.

If a developer receives a written request from a directly and materially interested party, including a consensus body member, within 30 days from the publication date of a PINS announcement in *Standards Action* for additional information or for the opportunity to discuss the proposal, the ASD shall respond in writing within 30 days from the comment deadline.

2.8 Appeals

The provision for appeals is important for the protection of directly and materially affected interests and of standards developers and is required as a part of due process. This section gives general criteria regarding the right to appeal, to whom appeals are made and what may be appealed.

2.8.1 Right to Appeal: Appeals at the standards developer level

The written procedures of an ANSI-Accredited Standards Developer (ASD) shall contain an identifiable, realistic, and readily available mechanism for the impartial handling of procedural appeals regarding any action or inaction. Appeals shall be addressed promptly and a decision made expeditiously and issued in writing. A standards developer may choose to offer an appeals process to address appeals on other than procedural issues. Procedural appeals include whether a technical issue was afforded due process. Appeals procedures shall provide for participation by all parties concerned without imposing an undue burden on them. Consideration of appeals shall be fair and unbiased and shall fully address the concerns expressed.

Persons who have directly and materially affected interests and who have been or will be adversely affected by any procedural action or inaction by a standards developer with regard to the development of a proposed American National Standard or the revision, reaffirmation, or withdrawal of an existing American National Standard, have the right to appeal. The burden of proof to show adverse effect shall be on the appellant. Appeals of actions shall be made within reasonable time limits; appeals of inactions may be made at any time. Appeals shall be directed to the standards developer responsible for the action or inaction in accordance with the appeals procedures of the standards developer. If a fee for a procedural appeal is charged, then it shall be predetermined, fixed and reasonable. A procedure for requesting a fee waiver or fee reduction shall be available.

2.8.2 Right to Appeal: Appeals at ANSI

Persons who have directly and materially affected interests and who have been or will be adversely affected by any procedural action or inaction by ANSI or by any ANS-related process have the right

[4] Including the national adoption of ISO and IEC standards as American National Standards, but excluding actions set-forth in 2.5.1.1.

to appeal. ANSI will not normally hear an appeal of an action or inaction by a standards developer relative to the development of an American National Standard until the appeals procedures provided by the standards developer, which must be implemented promptly and with decisions made expeditiously, have been completed. However, conclusion of the appeals process at the standards developer, is not a precondition for filing an appeal with the Executive Standards Council (ExSC) of an organization's continuing accreditation status.

Claims of procedural non-compliance raised during the course of an active standards development process are to be addressed in accordance with the standards developer's appeals process which shall conclude before final submittal of evidence of consensus is made to ANSI in support of the approval of a standard as an American National Standard.

Except in the case of an Audited Designator, an appeal of the approval of a standard as an American National Standard is to be filed in accordance with the *Operating Procedures of the ANSI Board of Standards Review* (BSR). Complaints concerning ANSI Audited Designators, including the approval of a standard as an American National Standard, are governed by the *Operating Procedures of the ANSI Executive Standards Council* (ExSC).

Appeals of actions shall be made within ~~reasonable~~ the time limits specified in applicable procedures; appeals of inactions may be made at any time. Such appeals shall be directed to ANSI in accordance with the procedures of the appropriate ANSI Committee ~~board or council~~ ~~board or council~~ (e.g., Board of Standards Review, Executive Standards Council).

ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 20291-1, Air cargo - Restraint slings - Part 1: Design and testing - 2/15/2020, $77.00

ISO/DIS 20291-2, Air cargo - Restraint slings - Part 2: Utilization guidelines and lashing calculations - 2/15/2020, $53.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 23897, Financial Services - Unique transaction identifier (UTI) - 2/19/2020, $33.00

ISO/DIS 17442-1, Financial services - Legal entity identifier (LEI) - Part 1: Assignment - 2/16/2020, $46.00

ISO/DIS 17442-2, Financial services - Legal entity identifier (LEI) - Part 2: Application in digital certificates - 2/16/2020, $33.00

DENTISTRY (TC 106)

ISO/DIS 10477, Dentistry - Polymer-based crown and veneering materials - 2/20/2020, FREE

FACILITIES MANAGEMENT (TC 267)

ISO/DIS 41014, Facility management - Development of facility management strategy - 2/19/2020, $112.00

PLASTICS (TC 61)

ISO/DIS 23512, Plastics - Joining of thermoplastic moulded components - Specification of variables for thermal joining processes - 2/14/2020, $93.00

ROBOTS AND ROBOTIC DEVICES (TC 299)

ISO/DIS 18646-3, Robotics - Performance criteria and related test methods for service robots - Part 3: Manipulation - 2/16/2020, $67.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 4652, Rubber compounding ingredients - Carbon black - Determination of specific surface area by nitrogen adsorption methods - Single-point procedures - 2/14/2020, $67.00

ISO/DIS 4658, Acrylonitrile-butadiene rubber (NBR) - Evaluation procedure - 11/5/2004, $62.00

ISO/DIS 7233, Rubber and plastics hoses and hose assemblies - Determination of resistance to vacuum - 2/16/2020, FREE

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 21851, Marine technology - Ocean observation system - Design criteria of ocean hydrology-meteorological observation system reuse and interaction - 2/19/2020, $82.00

SPRINGS (TC 227)

ISO/DIS 22705-1, Springs - Measurement and test parameters - Part 1: Cold formed cylindrical helical compression springs - 2/19/2020, $93.00

WATER QUALITY (TC 147)

ISO/DIS 13162, Water quality - Carbon 14 - Test method using liquid scintillation counting - 2/20/2020, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 15444-4/DAmd1, Information technology - JPEG 2000 image coding system: Conformance testing - Part 4 - Amendment 1: High-throughput JPEG 2000 conformance testing - 2/16/2020, $62.00

ISO/IEC 18033-4/DAmd1, Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers - Amendment 1: ZUC - 2/16/2020, $58.00

ISO/IEC 14496-15/DAmd1, Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1: Improved support for tiling and layering - 2/14/2020, $58.00

ISO/IEC DIS 29158, Information technology - Automatic identification and data capture techniques - Direct Part Mark (DPM) Quality Guideline - 2/14/2020, $98.00

ISO/IEC DIS 23092-4, Information technology - Genomic information representation - Part 4: Reference software - 2/14/2020, $40.00

IEC Standards

22F/561/DTR, IEC TR 60919-2/AMD2 ED2: Amendment 2 - Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 2: Faults and switching, 2020/1/24

23/886/CD, IEC TS 63236-3 ED1: Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centers and telecom central offices - Part 3: AC/DC appliance inlet, 2020/2/21

23/884/CD, IEC TS 63236 ED1: Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centers and telecom central offices - Part 1: 2.6 kW system, 2020/2/21

23/885/CD, IEC TS 63236-2 ED1: Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centers and telecom central offices - Part 2: 5,2 kW System, 2020/2/21

23/887/CD, IEC 63044-1/AMD1 ED1: Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 1: General requirements, 2020/1/24

23A/894/CD, IEC 61914 ED3: Cable cleats for electrical installations, 2020/2/21

23E/1160/CD, IEC 62606/AMD2 ED1: Amendment 2 - General requirements for arc fault detection devices, 2020/2/21

25/692/CD, ISO 80000-1 ED2: Quantities and units - Part 1: General, 2020/1/24

31J/300/NP, PNW TS 31J-300: Explosive atmospheres - Part XX - Portable Electronic Equipment Suitable for use in Hazardous Areas, 2020/2/21

34A/2169/CD, IEC 63221/FRAG2 ED1: Fragment 2 - LED Light sources - Performance requirements, 2020/1/24

37B/211/FDIS, IEC 61643-331 ED3: Components for low-voltage surge protection - Part 331: Performance requirements and test methods for metal oxide varistors (MOV), 2020/1/10

45/882/Q, Proposed new title and scope of project IEC 63175 Ed.1: Nuclear instrumentation - Fixed high intensity proton cyclotron within the energy range of 10 ~ 20 MeV, 2020/1/24

46C/1141/FDIS, IEC 61156-6 ED4: Multicore and symmetrical pair/quad cables for digital communications - Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Work area wiring - Sectional specification, 2020/1/10

46C/1140/FDIS, IEC 61156-5 ED3: Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification, 2020/1/10

47/2608/FDIS, IEC 62435-3 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 3: Data, 2020/1/10

47E/693/DTS, IEC TS 60747-19-2 ED1: Semiconductor devices - Part 19-2: Smart sensors - Indication of specifications of smart sensors and power supplies to drive smart sensors, 2020/2/21

59C/243/CD, IEC 60704-2-18 ED1: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-18: Particular requirements for electric water heaters, 2020/2/21

64/2402/CDV, IEC 60364-7-710 ED2: Low voltage electrical installations - Part 7-710: Requirements for special installations or locations - Medical locations, 2020/2/21

65/775/CDV, IEC 62832-3 ED1: Industrial-process measurement, control and automation - Digital Factory framework - Part 3: Application of Digital Factory for life cycle management of production systems, 2020/2/21

65/774/CDV, IEC 62832-2 ED1: Industrial-process measurement, control and automation - Digital Factory framework - Part 2: Model elements, 2020/2/21

65/776/CDV, IEC 62832-1 ED1: Industrial-process measurement, control and automation - Digital factory framework - Part 1: General principles, 2020/2/21

77A/1058/CDV, IEC 61000-3-2/AMD1/FRAG2 ED5: Amendment 1/Fragment 2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase), 2020/2/21

77C/296/CD, IEC 61000-4-24/AMD1 ED2: Amendment 1: Electromagnetic compatibility (EMC) - Part 4-24: Testing and measurement techniques - Test methods for protective devices for HEMP conducted disturbance, 2020/2/21

80/950/CD, IEC 63154 ED1: Maritime navigation and radiocommunication equipment and systems - Cybersecurity - General requirements, methods of testing and required test results, 2020/2/21

82/1653/CD, IEC 62788-2-1 ED1: Measurement procedures for materials used in photovoltaic modules - Part 2-1: Polymeric materials - Frontsheet and backsheet - Safety requirements, 2020/2/21

82/1652/CD, IEC 62093 ED2: Power conversion equipment for photovoltaic systems - Design qualification testing, 2020/2/21

85/712/NP, PNW TS 85-712: Sensing Devices for Non-Intrusive Load Monitoring (NILM) Systems, /2019/12/2

86B/4260/CD, IEC 61300-2-14 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power, 2020/2/21

86B/4263/NP, PNW 86B-4263: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 37: Type MDC connector family, 2020/2/21

86B/4259/CD, IEC 61753-085-2 ED2: Fibre optic interconnecting devices and passive components performance standard - Part 085 -2: Non-connectorized single-mode pigtailed CWDM devices for category C - Indoor controlled environment, 2020/1/24

89/1492/CDV, IEC 60695-2-11 ED3: Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT), 2020/2/21

89/1491/CDV, IEC 60695-2-13 ED3: Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials, 2020/2/21

91/1626/CD, IEC 63251 ED1: Test Method for Mechanical Property of Flexible Opto-Electric Circuit Boards under Thermal Stress, 2020/2/21

110/1170/CD, IEC 63145-21-20 ED1: Eyewear display - Part 21-20: Specific measuring methods for VR type - Image quality, 2020/2/21

127/14/NP, PNW TS 127-14: Low-voltage auxiliary power systems - Part 1-1: Terminology, 2020/2/21

127/13/NP, PNW TS 127-13: Low-voltage auxiliary power systems - Part 2-3: Design criteria - Low-voltage a.c. auxiliary power systems for substations, 2020/2/21

127/11/NP, PNW TS 127-11: Low-voltage auxiliary power systems - Part 2-1: Design criteria - General requirements, 2020/2/21

127/12/NP, PNW TS 127-12: Low-voltage auxiliary power systems - Part 2-2: Design criteria - Low-voltage d.c. auxiliary power systems for substations, 2020/2/21

JTC1-SC41/117/CDV, ISO/IEC 30144 ED1: Internet of Things (IoT) - Wireless sensor network system supporting electrical power substation, 2020/2/21

Newly Published ISO & IEC Standards

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 11227:2012, Space systems - Test procedure to evaluate spacecraft material ejecta upon hypervelocity impact, $138.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 7870-1:2019, Control charts - Part 1: General guidelines, $138.00

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

ISO 10993-9:2019, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products, $68.00

ISO 10993-15:2019, Biological evaluation of medical devices - Part 15: Identification and quantification of degradation products from metals and alloys, $103.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO 22510:2019, Open data communication in building automation, controls and building management - Home and building electronic systems - KNXnet/IP communication, $232.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO 28927-1:2019, Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 1: Angle and vertical grinders, $162.00

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

ISO 20290-3:2019, Aggregates for concrete - Test methods for mechanical and physical properties - Part 3: Determination of aggregate crushing value (ACV), $68.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO 14002-1:2019, Environmental management systems - Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area - Part 1: General, $68.00

FINE CERAMICS (TC 206)

ISO 21822:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Measurement of iso-electric point of ceramic powder, $68.00

FLOOR COVERINGS (TC 219)

ISO 10581:2019, Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications, $68.00

GEARS (TC 60)

ISO 6336-1:2019, Calculation of load capacity of spur and helical gears - Part 1: Basic principles, introduction and general influence factors, $232.00

ISO 6336-2:2019, Calculation of load capacity of spur and helical gears - Part 2: Calculation of surface durability (pitting), $185.00

ISO 6336-3:2019, Calculation of load capacity of spur and helical gears - Part 3: Calculation of tooth bending strength, $209.00

ISO 6336-6:2019, Calculation of load capacity of spur and helical gears - Part 6: Calculation of service life under variable load, $185.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO 14687:2019, Hydrogen fuel quality - Product specification, $103.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 2106:2019, Anodizing of aluminium and its alloys - Determination of mass per unit area (surface density) of anodic oxidation coatings - Gravimetric method, $68.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 11978:2017, Ophthalmic optics - Contact lenses and contact lens care products - Labelling, $68.00

ISO 10110-12:2019, Optics and photonics - Preparation of drawings for optical elements and systems - Part 12: Aspheric surfaces, $138.00

OTHER

ISO 80079-36/Cor1:2019, Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements - Corrigendum, FREE

PAINTS AND VARNISHES (TC 35)

ISO 15091:2019, Paints and varnishes - Determination of electrical conductivity and resistance, $68.00

ISO 6504-3:2019, Paints and varnishes - Determination of hiding power - Part 3: Determination of hiding power of paints for masonry, concrete and interior use, $138.00

PAPER, BOARD AND PULPS (TC 6)

ISO 536:2019, Paper and board - Determination of grammage, $68.00

PLASTICS (TC 61)

ISO 180:2019, Plastics - Determination of Izod impact strength, $103.00

ISO 29988-1:2019, Plastics - Polyoxymethylene (POM) moulding and extrusion materials - Part 1: Designation system and basis for specifications, $68.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 815-1:2019, Rubber, vulcanized or thermoplastic - Determination of compression set - Part 1: At ambient or elevated temperatures, $103.00

ISO 815-2:2019, Rubber, vulcanized or thermoplastic - Determination of compression set - Part 2: At low temperatures, $138.00

ISO 6101-1:2019, Rubber - Determination of metal content by atomic absorption spectrometry - Part 1: Determination of zinc content, $68.00

ISO 6101-2:2019, Rubber - Determination of metal content by atomic absorption spectrometry - Part 2: Determination of lead content, $68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 11674:2019, Ships and marine technology - Heading control systems, $185.00

STEEL (TC 17)

ISO 22055:2019, Switch and crossing rails, $138.00

WATER RE-USE (TC 282)

ISO 22447:2019, Industrial wastewater classification, $138.00

ISO Technical Reports

WELDING AND ALLIED PROCESSES (TC 44)

ISO/TR 24471:2019, Brazing - Grouping systems for materials - American materials, $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 26561:2019, Software and systems engineering - Methods and tools for product line technical probe, $185.00

ISO/IEC 26562:2019, Software and systems engineering - Methods and tools for product line transition management, $162.00

ISO/IEC 23093-3:2019, Information technology - Internet of media things - Part 3: Media data formats and APIs, $232.00

ISO/IEC TS 11179-30:2019, Information technology - Metadata registries (MDR) - Part 30: Basic attributes of metadata, $68.00

IEC Standards

FIBRE OPTICS (TC 86)

IEC 61756-1 Ed. 2.0 b:2019, Fibre optic interconnecting devices and passive components - Interface standard for fibre management systems - Part 1: General and guidance, $235.00

NUCLEAR INSTRUMENTATION (TC 45)

IEC 62706 Ed. 2.0 b:2019, Radiation protection instrumentation - Recommended climatic, electromagnetic and mechanical performance requirements and methods of tests, $235.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-12 Amd.2 Ed. 5.0 b:2017, Amendment 2 - Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances, $23.00

IEC 60335-2-12 Ed. 5.2 b:2017, Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances, $152.00

IEC 60335-2-60 Ed. 4.0 b:2017, Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas, $117.00

IEC 60335-2-97 Amd.1 Ed. 3.0 b:2019, Amendment 1 - Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment, $12.00

IEC 60335-2-97 Ed. 3.1 b:2019, Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment, $235.00

IEC 60335-2-103 Amd.2 Ed. 3.0 b:2019, Amendment 2 - Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows, $23.00

IEC 60335-2-103 Ed. 3.2 en:2019, Amendment 2 - Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows, $528.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

IEC 61400-3-1 Ed. 1.0 b:2019, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines, $387.00

IEC Technical Specifications

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC/TS 63157 Ed. 1.0 en:2019, Photovoltaic systems - Guidelines for effective quality assurance of power conversion equipment, $235.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

International Organization for Standardization (ISO)

New Secretariats

ISO/TC 301 – Energy Management and Energy Savings

Comment Deadline: December 20, 2019

ANSI has requested to delegate the responsibilities of the administration of the ISO/TC 301 secretariat to Georgia Tech Energy & Sustainability Services. The secretariat was previously held by ANSI and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 301 operates under the following scope:

> Standardization in the field of energy management and energy savings.

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

U.S. Technical Advisory Groups (TAG)

Approval of TAG Accreditation

U.S. Technical Advisory Group to ISO TC 34/SC 5 – Milk and Milk Products

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 34/SC 5, Milk and milk products and the appointment of the U.S. Department of Agriculture/Agricultural Marketing Service as TAG Administrator, effective November 27, 2019. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Michael Sussman, PhD, Senior Research Scientist, U.S. Dept. of Agriculture, Agricultural Marketing Service, Agricultural Analytics Division, 1400 Independence Avenue, SW, Mailstop 0262, Room 2607, Washington, DC 20250; phone: 202.260.9106; E-mail: michael.sussman@usda.gov.

American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More…

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

- *ANSI Essential Requirements: Due process requirements for American National Standards* (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org .

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

BSR/AARST MAH-202x

The following sentence is proposed for addition to AARST MAH
Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes

5.1.1 When testing more than one location, all areas and levels of the home being tested shall be tested such that the testing periods overlap by a minimum of 46 hours.

The consensus body working to harmonize radon measurements standards recognized that, compared to ANSI/AARST MAMF for multifamily buildings, this component was overlooked for the recently revised ANSI/AARST MAH standard of practice.

Rationale: While less often when testing homes, it is not uncommon for people around the country to test multiple locations in homes when testing to determine if mitigation is needed to protect occupants. The addition does not prohibit diagnostic testing. However, be it the initial testing phase, follow-up or post-mitigation testing, comparing test results taken at the same time in different locations can be critical for confidence that the test was reliable.

Measurement standards maintained under a continuous maintenance plan at the AARST Consortium on National Radon Standards include ANSI/AARST MAH (for homes), ANSI/AARST MAMF (for multifamily buildings) and ANSI/AARST MALB (for schools and large buildings).

Tracking number 173i90r1 **Revision to NSF/ANSI 173 – 2019**
 Issue 90, Revision 1 (November – 2019)

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

NSF Standard for Dietary Supplements –

Dietary Supplements

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3 Definitions

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3.X artificial compounds: Compounds whose molecular structure is not found in nature.

3.X dry weight basis: The ratio of the amount of moisture in a sample to the amount of dry solid in a sample. A basis for expressing the percentage of a chemical in a substance after removing the moisture from the substance.

3.X measurement uncertainty: The parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.

3.X nature-identical compounds: Compounds identical to those found in nature with respect to structure and stereochemistry, regardless of their means of production.

3.X synthesized compounds: Compounds synthesized in the laboratory or by industry. They may be nature identical or artificial since this definition refers only to the process of their creation.

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Rationale: These definitions are intended to add clarity to the standard for all dietary ingredients and/or finished products and were generated in consultation with the hemp task group.

Tracking #49i130r3

Revision to NSF/ANSI 49 – 2018
Issue 130, Revision 3 (November 2019)

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

NSF/ANSI International Standard for Biosafety Cabinetry —

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

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3 Definitions

~~**3.35 work area:** The horizontal plane inside the cabinet extending from sidewall to sidewall and from back wall to the inside of the sash at a point approximately 2 inces (50 mm) above the lower level of the sash.~~

3.35.1 total work area: The area inside the cabinet between the sidewalls, rear wall, inside of the sash, bottom of the downflow diffuser, and top of the work tray. The total work area definition is applicable only for purposes of design and construction of the biosafety cabinet and for testing the biosafety cabinet.

3.35.2 usable work area: The space within the total work area where the user can perform work, identified by the manufacturer as appropriate for user activities to maintain personal, product and cross-contamination protection.

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***Rationale**: The term "work area" is used 102 times in Standard 49. The langauge presented above includes suggested changes to the definition in Standard 49 to represent the two types of 'work area' generally described in the Standard. Below are a few examples where the current definition is ambiguous and potentially problematic. The language following this statement is not suggested to be changed, only the 2 previously presented statements. Once these terms are sorted out, the issue proponent will go through the Standard and update the terms appropriately.*

Following are examples where the current term "work area" *is used in Standard 49, and why the term is problematic. These are* ***not*** *part of this ballot.*

3.26 sash: A fixed or sliding window located at the front of the biosafety cabinet, that forms a barrier between the operator and the work area.

Why this is problematic: *The work area only extends 2" above the bottom of the sash, there is no need for a sash above this.*

5.19 Doors and covers

Doors and covers shall fit properly and close completely. Horizontal sliding doors shall not be used for the work area.

Why this is problematic: ***T****he work area stops approximately 2" above the bottom of the sash, horizontal sliding doors may be used, provided they are at least 2" above the bottom of the sash.*

5.26.2 Electrical wiring, switches, etc.

Replaceable electrical components shall not be located in contaminated air plenums, except for fan motors, sealed nonporous or jacketed wiring, and necessary airflow sensors. All wiring penetrations of contaminated spaces shall be sealed in accordance with 6.2. Circuit overload protection shall be provided for all receptacles. Switches shall be mounted outside the work area. A wiring diagram showing connection of all electrical components shall be permanently attached to the unit in an accessible location outside of air plenum systems. A statement providing starting current, running power, and circuit requirements shall be provided with the installation instructions.

Why this is problematic: *As long as the manufacturer keeps the switches at least 2" above the bottom of the sash, anything is acceptable.*

A.10.3.4 Sash seal test

Smoke shall be passed up the inside of the sash 2 inches (50 mm) from the sides and along the top of the work area.

Why this is problematic: *The intent of the sash seal test is to cover the entire perimeter of the sash. If the proposal to change the work area definition is accepted, the language suggested in A.10.3.4 regarding the Sash Seal Test should also be updated as presented on page 1.*

Tracking number 173i88r1
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Revision to NSF/ANSI 173 – 2019
Issue 88, Revision 1 (173 – 20XX)

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

NSF Standard for Dietary Supplements –

Dietary Supplements

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3 Definitions

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3.X cannabinoids: For the purposes of this standard, phytocannabinoids, the typically, C_{21} (C_{22} for carboxylated forms) terpenophenolic compounds, and their carboxylic acids, and degradation products, produced only in *Cannabis sativa* L.

3.X chemovar: a chemically distinct cultivar.

3.X cultivar: an assemblage of plants that (a) has been selected for a particular characteristic or combination of characteristics, (b) is distinct, uniform and stable in those characteristics, and (c) when propagated by appropriate means, retains those characteristics.

3.X endocannabinoids: neurotransmitters produced in the human body that bind to cannabinoid receptors.

3.X hemp: the *Cannabis sativa* L. plant with a THC concentration of not more than 0.3% on a dry weight basis, or as otherwise limited by the relevant national government of sale, that is the source of hemp plant parts. It is used to manufacture hemp ingredients and products, such as phytocannabinoids. Hemp is distinguished from drug-type *Cannabis* chemovars that contain THC concentrations above 0.3%. For the purposes of this standard, *Cannabis sativa* includes the variety which was formerly known as *Cannabis indica.*

3.X hemp-derived ingredients: ingredients produced from hemp, such as fiber, seed oil, and phytocannabinoids.

3.X THC: delta-9-tetrahydrocannabinol.

3.X THCA: delta-9-tetrahydrocannabinolic acid.

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5.6 Proteins

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

5.7 Hemp and/or hemp derived ingredients

Dietary ingredients and finished products containing hemp, hemp plant parts and/or hemp derived ingredients shall be tested for THC content and shall not exceed the limit of THC established by the country of sale. If the country of sale has not established a THC limit, the dietary ingredient and/or finished product shall not exceed the US Federal limit of not more than 0.3% THC on a dry weight basis. The determination of the THC concentration must take into account the potential to convert THCA into THC. The THC concentration will be evaluated to the acceptable hemp THC level incorporating measurement uncertainty.

6 Test methods used by testing laboratories for identification and quantification of ingredients – Dietary ingredients and finished products

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Rationale: These definitions clarify terms used in the hemp specific criteria sections and were generated in consultation with the hemp task group.

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

NSF Standard for Dietary Supplements –

Dietary Supplements

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5.3.6.2 Contaminants in glycerin

For ingredients and products containing glycerin, manufacturers shall have good manufacturing controls in place to verify that any specific lot of glycerin used in the manufacture or preparation of products is tested for diethylene glycol (DEG).

DEG in glycerin components shall not exceed 0.1% as stated in the USP Glycerin Monograph17.

5.3.6.3 Residual solvents

Per USP <467>, if manufacturers determine that Class 1 solvents are likely to be present, they should be identified and quantified. For Class 2 or 3 solvents, if manufacturers have ascertained through the procedures outlined in USP <467> that the level of residual solvent(s) is (are) at or below the permissible daily exposure or concentration limit(s), further residual solvent testing is not required. The limits outlined in USP <467> for ethanol and acetic acid do not apply to tinctures.

Residual solvent testing is not required if solvents are not used or produced in the manufacture of the dietary ingredient(s), other component(s), dietary supplement or finished product.

The tables and the residual solvent lists in USP General Chapter <467> are not exhaustive. It is the responsibility of the manufacturer to supply justification for solvents not currently listed in USP General Chapter <467>.

If residual solvent testing is required, dietary ingredients and finished products shall be tested in accordance with 7.6 to conform with USP General Chapter <467>.

5.3.6.3.1 Solvents used to process hemp

In additional to the solvents listed in USP <467 dietary ingredients and finished products containing hemp extracts, concentrates or isolates shall not contain solvents used to process hemp at levels greater than the following:

— Butane, propane, 2-methylbutane and methylpropane shall not exceed a concentration limit of 5000 ppm for a permissible daily exposure limit of 50 mg per day; and

— 2,2-dimethylbutane, 2,3-dimethylbutane, 2-methylpentane and 3-methylpentane shall not exceed a concentration limit of 290 ppm for a permissible daily exposure limit of 2.9 mg per day.

The concentration limits for solvents used to process hemp were obtained from the Technical Report generated by the Oregon Health Authority.

Solvents used to process hemp shall be evaluated in accordance with Section 5.3.6.3.

5.3.7 Other product claims

Claims that a product is free of a particular contaminant or substance shall be verified in accordance with Section 7.4 and/or 8.

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7.5 Test methods for industrial contaminants

7.5.1 Test methods for fish oil

Testing of fish oil samples for PCBs and dioxin-like PCBs shall be performed utilizing a high resolution gas chromatography / high resolution mass spectrometry (HRGC/HRMS) method, EPA Method 166810, Revision A: Chlorinated Biphenyl Congeners in Water, Soil Sediment and Tissue by HRGC-HRMS. Testing of fish oil samples for dioxins and furans shall be performed utilizing a high resolution gas chromatography / high resolution mass spectrometry (HRGC/HRMS) method, EPA Method 161310, Revision B: Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS. The preparation steps for these methods are applicable to water, soil, fish tissue, and other environmental samples. For the analysis of fish oil, for both methods, the preparation of the sample involves dissolution in hexane followed by column based sample cleanup steps prior to the described instrumental analysis.

Manufacturers shall meet this testing requirement by one of the following routes:

— through the use of compliant ingredients as demonstrated by third-party testing; or

— performing testing utilizing a laboratory accredited for PCBs, dioxin and furans under ISO 17025 and providing the sample results, data, and quality control results, for review to support compliance.

7.6 Test method for residual solvents

Testing shall be performed based on the currently promulgated version of the USP General Chapter on Residual Solvents (USP <467>), a modification of this method, or another scientifically valid method which has been shown to be suitable for the purpose of analysis of the specific sample type being tested.

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8 Good manufacturing practices (GMP)

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8.5 Requirement for oils

For products containing oils listed in Annex N-1, Table N-1.2, manufacturers shall have controls in place to assess and prevent rancidity. Written procedures shall be established and followed.

8.6 Solvents

Solvents used in processing of dietary ingredients, other components, and dietary supplements shall be food or pharmaceutical grade.

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Rationale: During the Hemp Task Group, it was determined that dietary ingredients and finished products containing hemp extracts, concentrates, or isolates should be evaluated for solvents used to process hemp. This decision resulted in further research into residual solvents in relation to all dietary ingredients and finished products. After reviewing the available literature, including, but not limited to, USP General Chapter <467>, Health Canada Residual Solvents and the ICH FDA Guideline, the task group determined that testing requirements for residual solvents should be added to the standard.

BSR/UL 970, Standard for Safety for Retail Fixtures and Merchandise Displays

1. This Proposed First Edition of the Standard for Retail Fixtures and Merchandise Displays, UL 970, covers non-refrigerated or heated commercial displays and other case goods used in retail establishment, including bakeries and restaurants. The products are used in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended for dry, damp, or wet locations. These displays include both electrified and non-electrified products.

NOTE: Only the portions of Table 113.1 and Table 127.1 that are being modified are show.

Table 113.1
Part 1 Requirements

Reference (Section)	Title	Applies[a] Not Allowed[b] Not Applicable (NA)[c] Superseded (S)[d]
[a] Applies: The requirement in Part 1 still applies to the products covered by this Part of the standard.		
[b] Not Allowed: The requirement is not allowed to be applied to the products covered by this Part of the standard.		
[c] Not Applicable NA): The requirement does not apply to the products covered by this Part of the standard.		
[d] Superseded (S): The requirements in this Part supersede the requirements in Part 1.		

Table 127.1
Part 1 Requirements Not Applicable

Reference (Section)	Title	Applies[a] Not Allowed[b] Not Applicable (NA)[c] Superseded (S)[d]
[a] Applies: The requirement in Part 1 still applies to the products covered by this Part of the standard.		
[b] Not Allowed: The requirement is not allowed to be applied to the products covered by this Part of the standard.		
[c] Not Applicable NA): The requirement does not apply to the products covered by this Part of the standard.		
[d] Superseded (S): The requirements in this Part supersede the requirements in Part 1.		

BSR/UL 1008A, *Standard for Safety for Transfer Switch Equipment, Over 1000 Volts*

1. Clarification of required frequencies for tests

33.1 Normal operational tests

33.1.1 To determine whether an automatic transfer switch complies with 16.1.3 through 16.1.4, the switch shall be mounted in the intended manner and the secondary control circuits for the normal and alternative supplies shall be energized using separate circuits of rated voltage ~~and frequency~~. For normal operation tests, test frequency shall be at rated frequency. For devices rated 50/60Hz, tests other than described in 33.1.4 may be conducted at either frequency. For devices with multiple frequency ratings the test described in 33.1.4 shall be conducted at each rated frequency. Each test shall be conducted twice:

a) Once with all time delays set to their minimum value.

b) Once with time delays set at an intermediate value.

The transfer switch shall operate as intended during each test.

37.4 ~~Tests shall be conducted at rated frequency.~~ The test (or tests) are to cover the conditions of maximum voltage, and current interrupted. The frequency of the test current shall be the maximum rated frequency of the device (±2 Hz).

41 Dielectric Voltage-Withstand Test

41.1 A transfer switch device shall be capable of withstanding for 1 minute without breakdown the application of a ~~48-60~~ 62 Hz sinusoidal potential as indicated in Table 16.

44 Withstand Test

44.5 A transfer switch shall be tested with alternating current ~~at rated frequency~~ on a circuit as indicated in Figure 3. The frequency of the test current shall be the maximum rated frequency of the device (±2 Hz). The test shall be performed in accordance with the following:

a) The open-circuit voltage of the power-supply circuit shall be not less than the maximum rated voltage of the switch.

b) The test circuit (see Figure 3), with the transfer switch assembly short-circuited at its line terminals, shall be capable of producing a three-phase fault with a prospective current (symmetrical) at least equal to the short-circuit current rating of the transfer switch assembly (see 54.10). The rms current value is based on the average symmetrical current in the three phases (i.e., omitting any dc component). Also, the test circuit shall be capable of producing a peak current at the major peak of the maximum cycle in an outer phase of at least 2.6 times the short-circuit current rating.

c) If fused, the transfer switch assembly shall have the highest ampere rated fuses that the transfer switch assembly can accommodate. If the transfer switch assembly is intended to be used with more than one type or make of medium-voltage fuse, the test shall be conducted using the fuse having the highest let-through characteristics. The characteristics referred to are peak let-through current (I_p) and ampere-squared-seconds (I^2t).

d) The test source circuit shall include the necessary measuring equipment.

47.2 Momentary tests on primary bus and connections

47.2.1 Test current: The three-phase test current shall have a peak value no lower than 2.6 times the rated short-time withstand current, and the symmetrical current shall be no less than the rated short-time withstand current. The peak current shall appear in an outside phase. The frequency of the test current shall be the maximum rated frequency of the device (±2 Hz).

47.2.3 Test duration: The duration of current flow shall be no less than 10 cycles ~~at rated power frequency~~.

49.3 The voltage for this test shall be 110 percent of the transformer primary voltage rating. The frequency of the test shall be the maximum rated frequency of the device (±2 Hz). The control and instrument transformers to be used for this test shall be selected as follows:

a) The transformers shall have the largest magnetizing current of all transformers intended to be used in the transfer switch.

b) The transformer primary voltage rating shall be the highest of all transformers intended to be used in the transfer switch.

54.3 Rated power frequency: The rated power frequency of a transfer switch is 60 Hz. Optional ratings in addition to the 60 Hz rating may be specified.

2. Correction to electrical endurance requirements of UL 1008A

(Table 7 abbreviated to facilitate review)

Table 7

Performance tests for transfer switches

Requirements or qualification tests	Circuit breakers in metal-clad switchgear	Circuit breakers in metal-enclosed switchgear	Load interrupter switches in metal-enclosed switchgear	Contactors in medium voltage controllers	Other equipment
Overload Test, 37				X[a]	X

Electrical Endurance Test, 38	~~X~~	~~X~~	X	~~X~~	X
Temperature Test, 39					X

[a] Not required when testing to basic product standard was conducted at twice the rated voltage of the transfer switch assembly.

[b] Not required when requirement is fulfilled by tests to basic product standards.

[c] Required for interlocks not previously subjected to tests in basic product standards that meet minimum requirements in this standard.

[d] In Canada, the partial discharge test is required for all transfer switches rated above 15 kV, and for transfer switches rated 15 kV and below that do not comply with the spacings in Table 6. In the United States, this requirement does not apply.

[e] At the option of the manufacturer, the dielectric voltage withstand test may be conducted only once, at the end of the test sequence.

[f] Test need not be repeated if the arrangement of the equipment with respect to spacings and insulation is equivalent to designs previously qualified to the basic product standard.