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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.

AAMI (Association for the Advancement of Medical Instrumentation)

Justin Sikorski; jsikorski@aami.org | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI/ISO 11137-2-202x/A1, Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose – Amendment 1 (identical national adoption of ISO 11137-2:2013/Amd1)

Stakeholders: Medical device manufacturers, testing laboratories, contract sterilizers, regulatory agencies, notified bodies.

Project Need: ISO is amending the standard which the U.S. has nationally adopted.

Interest Categories: Producer, regulatory, general interest, user.

Scope: Amendment to ANSI/AAMI/ISO 11137-2:2013/(R)2019 to provide changes to 6.4 and Clause 9.

ASTM (ASTM International)

Laura Klineburger; accreditation@astm.org | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

New Standard

BSR/ASTM F1045-202x, Performance Specification for Ice Hockey Helmets (new standard)

Stakeholders: Ice Hockey Industries.

Project Need: The intent of this performance specification is to reduce the risk of injury to the head without compromising the form and appeal of the game.

Interest Categories: Producer, user, general interest.

Scope: This performance specification covers performance requirements for ice hockey helmets.

ASTM (ASTM International)

Laura Klineburger; accreditation@astm.org | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Revision

BSR/ASTM F1898-202x, Specification for Helmets for Non-Motorized Wheeled Vehicles Used by Infants and Toddlers (revision of ANSI/ASTM F1898-2015)

Stakeholders: Headgear and Helmets Industries.

Project Need: This specification covers performance requirements for helmets manufactured for use by infants and toddlers as passengers or operators of nonmotorized vehicles intended for their use. This specification recognizes the desirability of lightweight construction and ventilation; however, it is a performance standard and is not intended to restrict design.

Interest Categories: Producer, User, General Interest.

Scope: This specification covers the performance requirements for helmets manufactured for use by infants and toddlers as passengers or operators of non-motorized wheeled vehicles. The performance requirements to which the helmets shall conform include those for headforms, peripheral vision, retention system testing, anvils and impact velocities, impact sites, impacting schedule, and peak acceleration.

ASTM (ASTM International)

Laura Klineburger; accreditation@astm.org | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Reaffirmation

BSR/ASTM F1952-2015 (R202x), Specification for Helmets Used for Downhill Mountain Bicycle Racing (reaffirmation of ANSI/ASTM F1952-2015)

Stakeholders: Headgear and Helmets Industries.

Project Need: Studies have shown higher risk to the head and face for this sport as compared to recreational street riding; hence, this specification requires greater impact protection and provides performance criteria for chin bars on full-face helmets, but does not require full-face helmets.

Interest Categories: Producer, User, General Interest.

Scope: This specification covers performance requirements for helmets used by downhill mountain bicycle riders.

ASTM (ASTM International)

Laura Klineburger; accreditation@astm.org | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Revision

BSR/ASTM F2032-202x, Specification for Helmets Used for BMX Cycling (revision of ANSI/ASTM F2032-2015)

Stakeholders: Headgear and Helmets Industries.

Project Need: Studies have shown higher risk to the head and face for this sport as compared to recreational street riding; So this specification requires impact protection over a larger area of the head. Performance criteria for helmets equipped with chin bars are provided.

Interest Categories: Producer, User, General Interest.

Scope: This specification covers performance requirements for helmets used in BMX cycling.

ASTM (ASTM International)

Laura Klineburger; accreditation@astm.org | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org

Revision

BSR/ASTM F2876-202x, Practice for Thermal Rating and Installation of Internal Combustion Engine Packages for Use in Hazardous Locations in Marine Applications (revision of ANSI/ASTM F2876-2010 (R2015))

Stakeholders: General Requirements Industries.

Project Need: The purpose of this practice is to thermally rate engine packages, and provide additional installation recommendations to reduce the risk of igniting ignitable mixtures that may be present near the hazardous areas of marine vessels.

Interest Categories: Producer, User, General Interest.

Scope: This practice covers methods of testing, rating, and installation of internal combustion engine packages used in hazardous areas in marine applications.

CSA (CSA America Standards Inc.)

Debbie Chesnik; ansi.contact@csagroup.org | 8501 East Pleasant Valley Road | Cleveland, OH 44131-5575 www.csagroup.org

Revision

BSR Z21.5.1-202x, Gas clothes dryers, volume I, type 1 clothes dryers (same as CSA 1.1-202x) (revision of ANSI Z21.5.1-2017)

Stakeholders: Manufacturers, installers, consumers.

Project Need: Update of the current standard to include additional coverage for Smart Enabled appliances.

Interest Categories: General Interest, Producer Interest, Regulatory Authority, User Interest.

Scope: This Standard applies to newly produced Type 1 clothes dryers referred to as dryers, constructed entirely of new, unused parts and materials

TNI (The NELAC Institute)

Robert Wyeth; robert.wyeth@nelac-institute.org | PO Box 2439 | Weatherford, TX 76086 www.NELAC-Institute.org

New Standard

BSR/TNI EL V4, Revision 3-202x, General Requirements for an Accreditor of Environmental Proficiency Test Providers (new standard)

Stakeholders: Accreditors of Proficiency Test providers; Proficiency Test providers; Laboratories; Accreditation bodies

Project Need: The revisions will improve the Volume by adding clarity, improving useability of the Volume by Accrediting Bodies and harmonizing requirements between all volumes and modules pertaining to proficiency testing.

Interest Categories: Accreditation Bodies Laboratories Other (including Accreditors of Proficiency Test Providers and Proficiency Test Providers)

Scope: Changes to V4 are anticipated to maintain consistency with proposed changes to V3. Additionally, V4 is near the 5-year re-evaluation point and while the entire Volume will be reviewed for on-going applicability and relevance.

Call for Comment on Standards Proposals

American National Standards

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. e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: June 5, 2022

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | cearl@esda.org, www.esda.org

Revision

BSR/EOS ESD STM11.11-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items - Surface Resistance Measurement of Planar Materials (revision of ANSI/ESD STM11.11-2021)

This standard test method defines a direct-current measurement to determine the surface resistance of planar materials, without regard to the conduction mechanism. This procedure is intended for measuring the surface resistance of materials that are $\geq 1.0 \times 10^4$ ohms and $< 1.0 \times 10^{11}$ ohms.

NOTE: This test method has been shown to have a repeatability of approximately one-half order of magnitude through inter-laboratory tests.

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

Send comments (copy psa@ansi.org) to: cearl@esda.org

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | cearl@esda.org, www.esda.org

Revision

BSR/EOS ESD STM5.5.1-202x, ESD Association Standard Test Method for Electrostatic Discharge (ESD) Sensitivity Testing - Transmission Line Pulse (TLP) - Device Level (revision of ANSI/ESD STM5.5.1-2017)

The scope and focus of this document pertain to TLP testing techniques of active and passive (semiconductor) components. The focus of the document is on the quasi-static application of TLP testing techniques. However, the techniques can also be applied to study the transient behavior of such components.

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

Send comments (copy psa@ansi.org) to: cearl@esda.org

Comment Deadline: June 5, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF 350-202x (i67r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | mleslie@nsf.org, www.nsf.org

Revision

BSR/NSF/CAN 61-202x (i162r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021)

This Standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the Standard is evaluation of contaminants or impurities imparted indirectly to drinking water. The products and materials covered include, but are not limited to, process media (e.g., carbon, sand), protective materials (e.g., coatings, linings, liners), joining and sealing materials (e.g., solvent cements, welding materials, gaskets), pipes and related products (e.g., pipes, tanks, fittings), mechanical devices used in treatment/transmission/distribution systems (e.g., valves, chlorinators, separation membranes, point-of-entry (POE) drinking water treatment systems), and mechanical plumbing devices (e.g., faucets, endpoint control valves).

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

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Amy.K.Walker@ul.org, <https://ul.org/>

Revision

BSR/UL 499-202x, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2021)

This proposal for UL 499 covers: (1) Clarification on charcoal ignitors; (2) Addition of New Reference Standards for Power Supplies.

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

Send comments (copy 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: June 5, 2022

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, <https://ul.org/>

Revision

BSR/UL 746B-202x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2021)

This proposal covers the revision of requirements for Thermal Aging in Paragraph 16.3.

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

Send comments (copy 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)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ul.org/>

Revision

BSR/UL 746E-202x, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed Wiring Boards (revision of ANSI/UL 746E-2022)

This proposal for UL 746E covers: (1) Update Clause 8.2, Table 8.2, and Table 9.3; (2) Clarification of Conformal Coating, Figure 22.1; (3) Add Alternative Oven Conditioning to Sections 19.3 and 19.9, Multilayer Dissimilar Material Evaluation.

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

Send comments (copy 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)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ul.org/>

Revision

BSR/UL 796F-202x, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2022)

This proposal for UL 796F covers: (1) Add Term 6.149A – Shielding Material; (2) Clarification of ANSI-like Program Wording for Clause 8.2.2; (3) Update references to Stabilization period in Sections 12.6, 12.12, 12.13; (4) Editorial updates.

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

Send comments (copy 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: June 20, 2022

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | jallen@aami.org, www.aami.org

National Adoption

BSR/AAMI/ISO 11138-8-202x, Sterilization of health care products - Biological indicators - Part 8: Method for validation of a reduced incubation time for a biological indicator (identical national adoption of ISO 11138-8:2021)

Specifies the requirements for a test method to be utilized to establish or confirm a reduced incubation time (RIT) that is shorter than the 7-day reference incubation time specified in 7.3.2 of ISO 11138-1:2017 for biological indicators used to monitor moist heat sterilization processes or ethylene oxide (EO) sterilization processes.

Single copy price: Free

Obtain an electronic copy from: jallen@aami.org

Send comments (copy psa@ansi.org) to: jallen@aami.org

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 61400-3-1-202x, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019)

This part of IEC 61400 specifies additional requirements for assessment of the external conditions at an offshore wind turbine site and specifies essential design requirements to ensure the engineering integrity of fixed offshore wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.

This document focuses on the engineering integrity of the structural components of an offshore wind turbine but is also concerned with subsystems such as control and protection mechanisms, internal electrical systems and mechanical systems.

Single copy price: Free

Obtain an electronic copy from: secretary@aresca.us

Order from: ARESCA

Send comments (copy psa@ansi.org) to: secretary@aresca.us

Comment Deadline: June 20, 2022

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

National Adoption

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019)

This part of IEC 61400, which is a technical specification, specifies additional requirements for assessment of the external conditions at a floating offshore wind turbine (FOWT) site and specifies essential design requirements to ensure the engineering integrity of FOWTs. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.

This document focuses on the engineering integrity of the structural components of a FOWT but is also concerned with subsystems such as control and protection mechanisms, internal electrical systems and mechanical systems.

Single copy price: Free

Obtain an electronic copy from: secretary@aresca.us

Order from: ARESCA

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

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 140-202x, Method of Test for Evaluating Building Performance Simulation Software (addenda to ANSI/ASHRAE Standard 140-2014)

The purpose of this addendum is to add the test cases of Section 5.6 of Standard 140 for testing the ability of whole-building energy simulation programs to read and process standard weather files. These provide both comparisons to the source weather file data and software-to-software comparative tests, where simulation results are compared to each other.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

Comment Deadline: June 20, 2022

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

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Revision

BSR/ASHRAE Standard 118.1-202x, Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment (revision of ANSI/ASHRAE Standard 118.1-2012)

This revision of Standard 118.1-2012 updates the scope to be consistent with the Department of Energy's July 15, 2015, final rule that establishes new definitions for "commercial" and "residential duty commercial" water heaters and revises the definitions of heat pump water heaters. Test methods and calculations are revised for all heat-pump water heaters. The revision also updates Setting Outlet Water Temperature for Heating capacity for Type 1, Type II, Type III, Type IV, and Type V heaters, adds new Standby Loss test method and calculations for Type II and Type III Instantaneous Waters, and updates references.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

New Standard

BSR/ASTM WK70035-202x, Practice for Use of Color in the Visual Examination and Forensic Comparison of Soil Samples (new standard)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

New Standard

BSR/ASTM WK72409-202x, Test Method for Measuring Impact Attenuation Characteristics of Helmets Under Induced Rotational Loading Using an Inclined Anvil (new standard)

<https://www.astm.org/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

New Standard

BSR/ASTM WK72526-202x, Practice for Expert Opinions on the Interpretation of Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard)

<https://www.astm.org/ansi-review>

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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Reaffirmation

BSR/ASTM F2092-2014 (R202x), Specification for Convection Oven Gas or Electric (reaffirmation of ANSI/ASTM F2092-2014)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Reaffirmation

BSR/ASTM F2521-2009 (R202x), Specification for Heavy-Duty Ranges, Gas and Electric (reaffirmation of ANSI/ASTM F2521-2009 (R2014))

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E84-202x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2021)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E119-202x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2020)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E162-202x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2021)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1354-202x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2017)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1529-202x, Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (revision of ANSI/ASTM E1529-2016)

<https://www.astm.org/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1537-202x, Test Method for Fire Testing of Upholstered Furniture (revision of ANSI/ASTM E1537-2016)

<https://www.astm.org/ansi-review>

Single copy price: Free

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

Comment Deadline: June 20, 2022

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E1623-202x, Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL) (revision of ANSI/ASTM E1623-2016)

<https://www.astm.org/ansi-review>

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E2707-202x, Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (revision of ANSI/ASTM E2707-2015)

<https://www.astm.org/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E2886/E2886M-202x, Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement (revision of ANSI/ASTM E2886/E2886M-2020)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

Comment Deadline: June 20, 2022

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F513-202x, Specification for Eye and Face Protective Equipment for Hockey Players (revision of ANSI/ASTM F513-2012 (R2018))

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F683-202x, Practice for Selection and Application of Thermal Insulation for Piping and Machinery (revision of ANSI/ASTM F683-2021)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F1122-202x, Specification for Quick Disconnect Couplings (6 in. NPS and Smaller) (revision of ANSI/ASTM F1122-2010 (R2021))

<https://www.astm.org/ansi-review>

Single copy price: Free

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Comment Deadline: June 20, 2022

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F1166-202x, Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities (revision of ANSI/ASTM F1166-2021)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F1492-202x, Specification for Helmets Used in Skateboarding and Trick Roller Skating (revision of ANSI/ASTM F1492-2015)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F1587-202x, Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders (revision of ANSI/ASTM F1587-2013 (R2018))

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

Comment Deadline: June 20, 2022

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F2861-202x, Test Method for Enhanced Performance of Combination Oven in Various Modes
(revision of ANSI/ASTM F2861-2020)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM F3340-202x, Test Method for Thermal Resistance of Camping Mattresses Using a Guarded Hot Plate Apparatus (revision of ANSI/ASTM F3340-2018)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Revision

BSR/AWWA C116/A21.16-202x, Protective Fusion-Bonded Coatings for the Interior and Exterior of Ductile-Iron and Gray-Iron Fittings (revision of ANSI/AWWA C116/A21.16-2015)

This standard describes protective fusion-bonded coatings for the interior and exterior surfaces of ductile-iron and gray-iron fittings used for raw water, potable water, reclaimed water systems, and nonaggressive wastewaters.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

Comment Deadline: June 20, 2022

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.73-2017 (R202x), Portable type gas camp lights (same as CSA 11.1) (reaffirmation of ANSI Z21.73-2017)

This Standard applies to portable type gas camp lights for use: (a) with propane, butane, liquefied petroleum gas or any combination thereof; and (b) outdoors only. This Standard applies to lights constructed entirely of new, unused parts.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR/CSA NGV 4.1/CSA 12.5-2018 (R202x), Natural gas vehicle (NGV) dispensing systems (reaffirmation of ANSI/CSA NGV 4.1/CSA 12.5-2018)

This Standard applies to: (a) the mechanical and electrical features of newly manufactured systems that dispense natural gas for vehicles (NGV) where such a dispensing system is intended primarily to dispense the fuel directly into the fuel storage container of the vehicle; (b) NGV dispensers contained in a single housing; and (c) NGV dispensers contained in multiple housings for metering and registering devices, remote electronics, remote overfill protection, hoses, and nozzles.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

New Standard

BSR/CTA 2088.1-202x, Baseline Cybersecurity for Small Unmanned Aerial Systems (new standard)

This standard will build upon the baseline cybersecurity requirements in CTA 2088 to address the cybersecurity requirements and recommendations relevant to the unique capabilities, uses, and applications of small UAS.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

Send comments (copy psa@ansi.org) to: CAkers@cta.tech

Comment Deadline: June 20, 2022

TPI (Truss Plate Institute)

2670 Crain Highway, Suite 203, Waldorf, MD 20601 | jjjones@tpinst.org, www.tpinst.org

Revision

BSR/TPI 1-202x, National Design Standard for Metal Plate Connected Wood Truss Construction (revision of ANSI/TPI 1-2014)

The TPI 1 standard establishes minimum requirements for the design and construction of metal plate connected wood trusses. This standard describes the materials used in a truss, both lumber and steel, and design procedures for truss members and joints. Methods for evaluating the metal connector plates, manufacturing quality assurance, and responsibilities in the design process involving metal plate connected wood trusses are also contained in the standard.

Single copy price: \$10.00

Obtain an electronic copy from: www.tpinst.org/2022-public-review

Order from: Truss Plate Institute (240) 587-5582

Send comments (copy psa@ansi.org) to: jjjones@tpinst.org or upload directly on the TPI website at www.tpinst.org/2022-public-review

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 497-2004 (R202x), Protectors for Paired-Conductor Communications Circuits (reaffirmation of ANSI/UL 497-2004 (R2017))

(1) Reaffirmation and continuance of the seventh edition of the Standard for Protectors for Paired-Conductor Communications Circuits, UL 497, as an American National Standard.

Single copy price: Free

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

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

Send comments (copy 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)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 586-2017 (R202x), High-Efficiency, Particulate, Air Filter Units (reaffirmation of ANSI/UL 586-2017)

(1) Reaffirmation and continuance of the ninth edition of the Standard for High-Efficiency, Particulate, Air Filter Units, UL 586, as an American National Standard.

Single copy price: Free

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

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Comment Deadline: June 20, 2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | kelly.smoke@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 1676-2013 (R202x), Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013)

(1) Reaffirmation and continuance of the third edition of the Standard for Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances, UL 1676, as a standard.

Single copy price: Free

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

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UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | jennifer.fields@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 2388-2017 (R202x), Standard for Safety for Flexible Lighting Products (May 6, 2022) (reaffirmation of ANSI/UL 2388-2017)

This proposal covers: (1) Reaffirmation and continuance of the second edition of the Standard for Safety for Flexible Lighting Products, UL 2388, as an American National Standard.

Single copy price: Free

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

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

Send comments (copy 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)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ul.org/>

Revision

BSR/UL 746F-202x, Standard for Safety for Flexible Dielectric Film Materials for Use in Printed Wiring Boards and Flexible Materials Interconnect Constructions (revision of ANSI/UL 746F-2022)

This proposal for UL 746F covers: (1) Clarify Test Sample Cutting Orientation in 8.1.13A, Table 8.2, and New Figure 8A; (2) Update Table 8.1 Dielectric Film Material Requirements; (3) Update Table 8.2, Dielectric Film Material Performance Profile Index; (4) Updating Stabilization Period Reference of Clause 4.2.

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Send comments (copy 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: June 20, 2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ul.org/>

Revision

BSR/UL 796-202x, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2022)

This proposal for UL 796 covers: (1) Update definitions for Edge and Midboard Conductors to match Figure 10.1; (2) Clarify Sections 12.1 and 12.2, Manufacturing Process Temperatures at 100°C; (3) Clarify Section 23, Test Sample Pattern Description; (4) Update Figure 24.1 to align with UL 79; (5) Editorial updates.

Single copy price: Free

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

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

Send comments (copy 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>

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com; Dean.Holman@vita.com; jerry@vita.com, www.vita.com

Revision

BSR/VITA 74.0-202x, Compliant System Small Form Factor Module Base Standard (revision of ANSI/VITA 74.0-2017)

This standard meets the growing needs for improved Size, Weight and Power (SWaP) with a rugged, low-cost, fast serial fabric interconnect based Plug-In Module, whilst leveraging many proven features of existing VITA standards. This revision documents the migration from VITA 74 VNX to VITA 90 VNX+ family of standards, adds revised voltage levels for specific signals, as well as corrected connector part numbers and drawings.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: July 5, 2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation

BSR/ASME PTC 4.3-2017 (R202x), Air Heaters (reaffirmation of ANSI/ASME PTC 4.3-2017)

This Code applies to all air heaters used in industrial application, e.g., air heaters servicing steam generators and industrial furnaces.

Single copy price: \$300.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Daniel Papert; papertd@asme.org □

Comment Deadline: July 5, 2022

TNI (The NELAC Institute)

PO Box 2439, Weatherford, TX 76086 | robert.wyeth@nelac-institute.org, www.NELAC-Institute.org

Revision

BSR/TNI EL-V1M5-Rev. 3.0-202x, Management and Technical Requirements for Laboratories Performing Environmental Testing; Module 5: Quality Systems for Microbiological Testing (revision and partition of ANSI/TNI EL-V1-2016)

The Module nears its five-year review period and requires revision to clarify various sections of the existing document and update terminology. Consistency with modifications to approved methodology promulgated since the approval of the previous Module contained within EL V1 and now requested to be partitioned to a separate ANSI Standard.

Single copy price: Free

Obtain an electronic copy from: robert.wyeth@nelac-institute.org

Order from: Robert Wyeth; robert.wyeth@nelac-institute.org

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

Technical Reports Registered with ANSI

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

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org

New Technical Report

ESP TR 101-2022, Technical Report 2022 Basic Boating Knowledge - Core Plus Human-Propelled (technical report)

This Technical Report supports standards (ANS) entitled ANSI/NASBLA 100-2022: Basic Boating Knowledge – Core and ANSI/NASBLA 101-2022: Basic Boating Knowledge – Plus Human-Propelled, which was formulated through voluntary consensus of representatives of federal and state government, industry, non-profit organizations, and public sectors. The purpose of this Technical Report is to provide information that helps design and implement successful recreational human-propelled boater education programs.

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Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org

New Technical Report

ESP TR 102-2022, Technical Report 2022 Basic Boating Knowledge - Core Plus Sailing (technical report)
This Technical Report supports standards (ANS) entitled ANSI/NASBLA 100-2022: Basic Boating Knowledge – Core and ANSI/NASBLA 102-2022: Basic Boating Knowledge – Plus Sailing, which was formulated through voluntary consensus of representatives of federal and state government, industry, non-profit organizations, and public sectors. The purpose of this Technical Report is to provide information that helps design and implement successful recreational sailboating education programs.

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Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org

New Technical Report

ESP TR 103.1-2022, Technical Report 2022 Basic Boating Knowledge - Core Plus Power (including Water-Jet-Propelled) (technical report)

This Technical Report supports standards (ANS) entitled ANSI/NASBLA 100-2022: Basic Boating Knowledge – Core; ANSI/NASBLA 103-2022: Basic Boating Knowledge – Plus Power; and, ANSI/NASBLA 103.1-2022: Supplement - Plus Water-Jet Propelled. These standards were formulated through voluntary consensus of representatives of federal and state government, industry, non-profit organizations, and public sectors. The purpose of this Technical Report is to provide information that helps design and implement successful recreational powerboating education programs including water-jet propulsion.

Single copy price: Free

Order from: esp@nasbla.org

Technical Reports Registered with ANSI

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

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org

New Technical Report

ESP TR 103-2022, Technical Report 2022 Basic Boating Knowledge - Core Plus Power (technical report)
This Technical Report supports standards (ANS) entitled ANSI/NASBLA 100-2022: Basic Boating Knowledge – Core, and ANSI/NASBLA 103-2022: Basic Boating Knowledge – Plus Power, which was formulated through voluntary consensus of representatives of federal and state government, industry, non-profit organizations, and public sectors. The purpose of this Technical Report is to provide information that helps design and implement successful recreational powerboating education programs.

Single copy price: Free

Order from: esp@nasbla.org

Withdrawal of an ANS by 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.

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

ANSI/NFPA 225-2021, Model Manufactured Home Installation Standard

Questions may be directed to: Patrick Foley; PFoley@nfpa.org

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

ANSI/NFPA 501-2021, Standard on Manufactured Housing

Questions may be directed to: Patrick Foley; PFoley@nfpa.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.

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

Revision

ANSI X9.58-2022, Financial transaction messages - Electronic Benefits Transfer (EBT) - Supplemental Nutrition Assistance Program (SNAP) and cash benefit programs (revision of ANSI X9.58-2010) Final Action Date: 4/28/2022

BIFMA (Business and Institutional Furniture Manufacturers Association)

678 Front Avenue NW, Grand Rapids, MI 49504 | dpanning@bifma.org, www.bifma.org

Reaffirmation

ANSI/BIFMA X5.1-2017 (R2022), General-Purpose Office Chairs (reaffirmation of ANSI/BIFMA X5.1-2017) Final Action Date: 4/28/2022

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

Reaffirmation

ANSI E1.36-2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012)) Final Action Date: 5/2/2022

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

New Standard

ANSI/IEEE C37.120-2022, Guide for Protection System Redundancy for Power System Reliability (new standard) Final Action Date: 4/29/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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 interested 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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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 ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

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

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Teleconference - May 16, 2022 from 1 p.m. to 4 p.m. EST

CSA Group will hold the Fuel Cell Technical Committee meeting by teleconference on May 16, 2022 from 1 p.m. to 4 p.m. EST. For more information on the meeting and the agenda, contact Mark Duda at mark.duda@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than April 6, 2021. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Mark Duda at mark.duda@csagroup.org.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | jsikorski@aami.org, www.aami.org

BSR/AAMI/ISO 11137-2-202x/A1, Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose - Amendment 1 (identical national adoption of ISO 11137-2:2013/Amd1)

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | jallen@aami.org, www.aami.org

BSR/AAMI/ISO 11138-8-202x, Sterilization of health care products - Biological indicators - Part 8: Method for validation of a reduced incubation time for a biological indicator (identical national adoption of ISO 11138-8:2021)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-3-1-202x, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019)

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 2088.1-202x, Baseline Cybersecurity for Small Unmanned Aerial Systems (new standard)

CTA is seeking new members to join the consensus body. CTA and The R14 Cybersecurity and Privacy Management Committee are particularly interested in adding new members (called "users") who develops standards, recommended practices, and technical reports in the area of cybersecurity and privacy management, for developers of connected devices.

Call for Members (ANS Consensus Bodies)

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | cearl@esda.org, www.esda.org

BSR/EOS ESD STM11.11-202x, ESD Association Standard Test Method for Protection of Electrostatic Discharge Susceptible Items - Surface Resistance Measurement of Planar Materials (revision of ANSI/ESD STM11.11-2021)

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | cearl@esda.org, www.esda.org

BSR/EOS ESD STM5.5.1-202x, ESD Association Standard Test Method for Electrostatic Discharge (ESD) Sensitivity Testing - Transmission Line Pulse (TLP) - Device Level (revision of ANSI/ESD STM5.5.1-2017)

EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | cearl@esda.org, www.esda.org

BSR/EOS ESD STM9.1-202x, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear and Foot Grounders - Resistive Characterization (revision of ANSI/ESD STM9.1-2014)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

BSR/NSF 350-202x (i67r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | mleslie@nsf.org, www.nsf.org

BSR/NSF/CAN 61-202x (i162r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com; Dean.Holman@vita.com; jerry@vita.com, www.vita.com

BSR/VITA 74.0-202xx, Compliant System Small Form Factor Module Base Standard (revision of ANSI/VITA 74.0-2017)

American National Standards (ANS) Announcements

Notice of ITI (INCITS) Standards to Continue as American National Standards (ANS) under Stabilized Maintenance. This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements).

Continued Stabilized Maintenance

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

On April 5, 2022, the INCITS Executive Board completed their approval for the 10-year stabilized maintenance action for the standards listed below via ballot LB8060. It has been determined with this approval that these standards, that were stabilized in 2012, shall continue to be maintained under the stabilized maintenance option.

For inquiries please reply to: (comments@standards.incits.org)

- INCITS/ISO/IEC 15816:2002 [S2022], Information Technology - Security Techniques - Security Information Objects for Access Control
- INCITS/ISO/IEC 15945:2002 [S2022], Information Technology - Security Techniques - Specification of TTP Services to Support the Application of Digital Signatures
- INCITS 199-1991 [S2022], Information Systems - 356-mm Optical Disk Cartridge (Write-Once) - Test Methods for Media Characteristics
- INCITS 212-1992 [S2022], Information Systems - 130-mm Rewritable Optical Disk Cartridge for Information Interchange
- INCITS 214-1992 [S2022], Information Systems - 130-mm Write-Once Optical Disk Cartridge Using Sampled Servo and 4/15 Encoding
- INCITS 220-1992 [S2022], Information Systems - Digital Information Interchange 130-mm Optical Disk Cartridges of the Write-Once, Read Multiple (WORM) Type, Using the Magnetic-Optical Effect
- INCITS/ISO/IEC 10994:1992 [S2022], Information Technology - Data Interchange on 90mm Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 31 831 ftprad on 80 Tracks on Each Side - ISO Type 303
- INCITS/ISO/IEC 14169:1995 [S2022], Information Technology - 90 mm Flexible Disk Cartridges for Information Interchange - 21 Mbytes Formatted Capacity - ISO Type 305
- INCITS/ISO/IEC 14517:1996 [S2022], Information Technology - 130-mm Optical Disk Cartridges - Capacity: 2,6 Gbyte per Cartridge
- INCITS/ISO/IEC 15041:1997 [S2022], Information Technology - Data Interchange on 90 mm Optical Disk Cartridges - Capacity: 640 Mbytes per Cartridge
- INCITS/ISO/IEC 15898:1998 [S2022], Information Technology - 356 Optical Disk Cartridges, Extended Capacity, Using Phase Change Technology for Information Interchange
- INCITS/ISO/IEC 16448:2002 [S2022], Information Technology - 120 mm DVD - Read-only Disk
- INCITS/ISO/IEC 16449:2002 [S2022], Information Technology - 80 mm DVD - Read-only Disk
- INCITS/ISO/IEC 20563:2001 [S2022], Information technology - 80 mm (1,23 Gbytes per side) and 120 mm (3,95 Gbytes per side) DVD-recordable disk (DVD-R)
- INCITS/ISO/IEC 22092:2002 [S2022], Information Technology - Data Interchange on 130 mm Magneto-Optical Disk Cartridges - Capacity: 9,1 Gbytes Per Cartridge
- INCITS/ISO/IEC 6596-2:1985 [S2022], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges using Two-Frequency Recording at 7 958 ftpard, 1,9 tpm (48 tpi), on One Side - Part 2: Track Format
- INCITS/ISO/IEC 7487-3:1986 [S2022], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 ftpard, 1,9 tpm (48 tpi), on both sides - Part 3: Track Format B

Continued Stabilized Maintenance

- INCITS/ISO/IEC 8630-2:1987 [S2022], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 ftprad, on 80 Tracks on Each Side - Part 2: Track format A for 77 Tracks
- INCITS/ISO/IEC 8630-3:1987 [S2022], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 ftprad, on 80 Tracks on Each Side - Part 3: Track Format B for 80 Tracks
- INCITS/ISO/IEC 8860-2:1987 [S2022], Information Processing - Data Interchange on 90 mm (3.5 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 ftprad on 80 Tracks on Each Side - Part 2: Track Format
- INCITS/ISO/IEC 9529-2:1989 [S2022], Information Processing Systems - Data Interchange on 90 mm (3.5 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 15 916 ftprad on 80 tracks on Each Side - Part 2: Track Format
- INCITS/ISO/IEC 7487-2:1985 [S2022], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 ftprad, 1,9 tpm (48 tpi), on Both Sides - Part 2: Track Format A
- INCITS 137-1988/AM 1-1999 [S2022], Information Systems - One- and Two-sided, Unformatted, 90-mm (3.5-in), 5.3-tpmm (135-tpi) Flexible Disk Cartridge for 7958 BPR Use - General, Physical, and Magnetic Requirements
- INCITS 257-1997 [S2022], Information Technology - FDDI Station Management-2 Common Services (SMT-2-CS)
- INCITS 258-1997 [S2022], Fibre Distributed Data Interface (FDDI) - Station Management-2 - Isochronous Services (SMT-2-IS)
- INCITS 259-1997 [S2022], Information Technology - FDDI Station Management-2 Packet Services (SMT-2-PS)
- INCITS 273-1997 [S2022], Information Technology - CASE Tool Integration Messages
- INCITS 278-1997 [S2022], Information Technology - Fibre distributed data interface (FDDI) - Physical Layer Repeater Protocol (PHY-REP)
- INCITS 286-1997 [S2022], Information Technology - Abstract Test Suite for FDDI Station Management Conformance Testing (FDDI SMT ATS)
- INCITS/ISO/IEC 10026-1:1998 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 1: OSI TP Model
- INCITS/ISO/IEC 10026-2:1998 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 2: OSI TP Service
- INCITS/ISO/IEC 10026-3:1998 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 3: Protocol Specification
- INCITS/ISO/IEC 10026-4:1995 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing: Protocol Implementation Conformance Statement (PICS) proforma
- INCITS/ISO/IEC 10026-5:1998 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 5: Application context proforma and guidelines when using OSI TP
- INCITS/ISO/IEC 10026-6:1995 [S2022], Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 6: Unstructured Data Transfer
- INCITS/ISO/IEC 9804:1998 [S2022], Information technology - Open Systems Interconnection - Service definition for the Commitment, Concurrency and Recovery service element
- INCITS/ISO/IEC 9805-1:1998 [S2022], Information technology - OSI - CCR Protocol
- INCITS/ISO/IEC 9805-2:1996 [S2022], Information technology - OSI - CCR Protocol Part 2: Protocol Implementation Conformance Statement (PICS) Proforma
- INCITS/ISO/IEC 11572:2000 [S2022], Information Technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Network - Circuit Mode Bearer Services - Inter-exchange Signalling Procedures and Protocol

Continued Stabilized Maintenance

- INCITS/ISO/IEC 13923:1996 [S2022], Information Technology - 3,81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS-2 Format Using 120 m Length Tape
- INCITS/ISO/IEC 20061:2001 [S2022], Information technology - 12,65 mm wide magnetic tape cassette for information interchange - Helical scan recording DTF-2 format
- INCITS/ISO/IEC 20062:2001 [S2022], Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording VXA-1 format
- INCITS 207-1991 [S2022], Office Machines and Supplies - Alphanumeric Machines - Alternate Keyboard Arrangement
- INCITS 124-1985 [S2022], Graphical Kernel System (GKS) Functional Description
- INCITS/ISO/IEC 9593-1:1990 [S2022], Information Processing Systems - Computer Graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) Language Bindings (Part 1: FORTRAN)
- INCITS/ISO/IEC 9593-4:1991 [S2022], Information Technology - Computer Graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 4: C
- INCITS/ISO/IEC 9636-1:1991 [S2022], Information Technology - Computer Graphics - Interfacing Techniques for Dialogues with Graphical Devices (CGI) - Functional Specification - Part 1: Overview, Profiles and Conformance
- INCITS/ISO/IEC 9636-2:1991 [S2022], Information technology - Computer graphics - Interfacing techniques for dialogues with graphical devices (CGI) - Functional specification - Part 2: Control
- INCITS/ISO/IEC 9636-3:1991 [S2022], Information Technology - Computer Graphics - Interfacing Techniques for Dialogues with Graphical Devices (CGI) - Functional Specification - Part 3: Output
- INCITS/ISO/IEC 9636-5:1991 [S2022], Information technology - Computer graphics - Interfacing techniques for dialogues with graphical devices (CGI) - Functional specification - Part 5: Input and echoing
- INCITS/ISO/IEC 9636-4:1991 [S2022], Information technology - Computer graphics - Interfacing techniques for dialogues with graphical devices (CGI) - Functional specification - Part 4: Segments
- INCITS/ISO/IEC 9636-6:1991 [S2022], Information technology - Computer graphics - Interfacing techniques for dialogues with graphical devices (CGI) - Functional specification - Part 6: Raster
- INCITS 319-1998 [S2022], Information technology - Programming Language Smalltalk
- INCITS/ISO/IEC 13817-1:1996 [S2022], Information technology - Programming languages, their environments and system software interfaces - Vienna Development Method - Specification Language - Part 1: Base language
- INCITS/ISO/IEC 20970:2002 [S2022], Information technology - Programming languages, their environments and system software interfaces - JEFF file format
- INCITS 308-1997 [S2022], Information technology - Serial Storage Architecture - Transport Layer 2 (SSA-TL2)
- INCITS 309-1997 [S2022], Information technology - Serial Storage Architecture - SCSI-3 Protocol (SSA-S3P)
- INCITS 307-1997 [S2022], Information technology - Serial Storage Architecture - Physical Layer 2 (SSA-PH2)
- INCITS 222-1997 [S2022], Information technology - High-Performance Parallel Interface - Switch Control (HIPPI-SC)
- INCITS 296-1997 [S2022], Information technology - Single Byte Command Code Sets CONnection (SBCON)
- INCITS 300-1997 [S2022], Information technology - High-Performance Parallel Interface - Serial Specification (HIPPI-Serial)
- INCITS 356-2002 [S2022], Information technology -Fibre Channel - Audio Video (FC-AV)
- INCITS 357-2002 [S2022], Information Technology - Fibre Channel - Virtual Interface Architecture Mapping Protocol (FC-VI)

Accreditation Announcements (Standards Developers)

Approval of Reccreditation - ASD

RVIA - Recreational Vehicle Industry Association

Effective April 28, 2022

The reccreditation of **RVIA - Recreational Vehicle Industry Association** has been approved at the direction of ANSI's Executive Standards Council, under revised operating procedures for documenting consensus on RVIA -sponsored American National Standards, effective April 28, 2022. For additional information, please contact: Tyler Reamer, Recreational Vehicle Industry Association (RVIA) | 3333 Middlebury Street, Elkhart, IN 46516 | (574) 549-9081, treamer@rvia.org

Approval of Reccreditation – ASD

ATSIP - Association of Transportation Safety Information Professionals

Effective April 29, 2022

The reccreditation of **ATSIP - Association of Transportation Safety Information Professionals** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ATSIP-sponsored American National Standards, effective **April 29, 2022**. For additional information, please contact: John McDonough, Association of Transportation Safety Information Professionals (ATSIP) | 2351 Freedom Way, Suite 201, York, PA 17402 | (717) 751-8052, john@nisrinc.com

Approval of Reccreditation – ASD

HPVA - Hardwood Plywood Veneer Association

Effective April 28, 2022

The reccreditation of **HPVA - Hardwood Plywood Veneer Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on HPVA-sponsored American National Standards, effective **April 28, 2022**. For additional information, please contact: Joshua Hosen, Hardwood Plywood Veneer Association (HPVA) | 42777 Trade West Drive, Sterling, VA 20166 | (703) 435-2900, Jhosen@decorativehardwoods.org

Approval of Reccreditation – ASD

ISA (ASC Z133) - International Society of Arboriculture Safety in Tree Trimming Operations

Effective April 28, 2022

The reccreditation of **ISA - International Society of Arboriculture**, sponsor of **ASC Z133, Safety in Tree Trimming Operations** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ISA (ASC Z133)-sponsored American National Standards, effective **April 28, 2022**. For additional information, please contact: Jamie Vidich, International Society of Arboriculture (ISA (ASC Z133)) | 270 Peachtree Street NW, Suite 1900, Atlanta, GA 30303 | (678) 367-0981, jvidich@isa-arbor.com

Approval of Reccreditation – ASD

NGWA - National Ground Water Association

Effective April 29, 2022

The reccreditation of **NGWA - National Ground Water Association** has been approved at the direction of ANSI's

Accreditation Announcements (Standards Developers)

Executive Standards Council, under its recently revised operating procedures for documenting consensus on NGWA-sponsored American National Standards, effective **April 29, 2022**. For additional information, please contact: Kathy Butcher, National Ground Water Association (NGWA) | 601 Dempsey Road, Westerville, OH 43081 | (800) 551-7379, kbutcher@ngwa.org

Approval of Reaccreditation – ASD

WMMA (ASC O1) - Wood Machinery Manufacturers of America Safety Requirements for Woodworking Machinery

Effective April 27, 2022

The reaccreditation of **WMMA (ASC O1) - Wood Machinery Manufacturers of America Safety Requirements for Woodworking Machinery** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on WMMA (ASC O1)-sponsored American National Standards, effective **April 27, 2022**. For additional information, please contact: Nikki Augsburger, Wood Machinery Manufacturers of America (WMMA (ASC O1)) | 2331 Rock Spring Road, Forest Hill, MD 21050 | (443) 640-1052, nikki@wmma.org

American National Standards (ANS) Process

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:

Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org)

- 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: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: www.standardslearn.org

American National Standards 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.

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- AAMI (Association for the Advancement of Medical Instrumentation)
 - AARST (American Association of Radon Scientists and Technologists)
 - AGA (American Gas Association)
 - AGSC (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)
 - Home Innovation (Home Innovation Research Labs)
 - IES (Illuminating Engineering Society)
 - ITI (InterNational Committee for Information Technology Standards)
 - MHI (Material Handling Industry)
 - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
 - NCPDP (National Council for Prescription Drug Programs)
 - NEMA (National Electrical Manufacturers Association)
 - NFRC (National Fenestration Rating Council)
 - 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)

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 “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at psa@ansi.org.

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ASC X9

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ASHRAE

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ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 20715, Tea classification - 7/17/2022, \$46.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 23629-12, UAS traffic management (UTM) - Part 12: Requirements for UTM service providers - 7/22/2021, \$88.00

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 15002, Flow control devices for connection to a medical gas supply system - 7/15/2022, \$71.00

ISO/DIS 80601-2-72, Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients - 2/25/2022, \$175.00

Applications of statistical methods (TC 69)

ISO/DIS 16355-7, Applications of statistical and related methods to new technology and product development process - Part 7: Guidelines for developing digitalized products and services - General Principles and Perspectives of the QFD Method - 7/18/2022, \$88.00

Banking and related financial services (TC 68)

ISO/DIS 19092, Financial services - Biometrics - Security framework - 2/28/2022, \$134.00

Biotechnology (TC 276)

ISO/DIS 20404, Biotechnology - Bioprocessing - General requirements for the design of packaging to contain cells for therapeutic use - 7/15/2022, \$71.00

ISO/FDIS 24088-1, Biotechnology - Biobanking of microorganisms - Part 1: Bacteria and archaea - 7/4/2021, \$71.00

Cleaning equipment for air and other gases (TC 142)

ISO/FDIS 29462, Field testing of general ventilation filtration devices and systems for in situ removal efficiency by particle size and resistance to airflow - 2/14/2020, \$112.00

Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

ISO/DIS 23551-8, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls - 2/26/2022, \$98.00

ISO/DIS 23551-12, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 12: Multifunctional controls with integral overpressure protection safety function for use with butane gas cartridge used in portable gas appliances - 2/26/2022, \$88.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 5156, Corrosion of metals and alloys - Corrosion test method for disinfectant - Total immersion method - 3/3/2022, \$46.00

Cosmetics (TC 217)

ISO/FDIS 23821, Cosmetics - Analytical methods - Determination of traces of mercury in cosmetics by atomic absorption spectrometry (AAS) cold vapour technology after pressure digestion - 12/6/2020, \$67.00

Fasteners (TC 2)

ISO/DIS 8675, Fasteners - Hexagon thin nuts (style 0), with fine pitch thread - 2/27/2022, \$46.00

Foundry machinery (TC 306)

ISO/DIS 23779, Shot blasting machinery - safety and environmental requirements - 7/18/2022, \$88.00

Internal combustion engines (TC 70)

ISO/DIS 4548-14, Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 14: Cold start simulation and hydraulic pulse durability for composite filter housings - 2/27/2022, \$46.00

Machine tools (TC 39)

ISO/DIS 19085-9, Woodworking machines - Safety - Part 9: Circular saw benches (with and without sliding table) - 7/17/2022, \$125.00

ISO/DIS 19085-11, Woodworking machines - Safety - Part 11: Combined machines - 7/15/2022, \$93.00

Mechanical vibration and shock (TC 108)

ISO/FDIS 14839-5, Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 5: Touch-down bearings - 6/24/2021, \$112.00

Nuclear energy (TC 85)

ISO/DIS 18589-3, Measurement of radioactivity in the environment - Soil - Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry - 2/28/2022, \$102.00

Paints and varnishes (TC 35)

ISO/DIS 1518-1, Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method - 2/28/2022, \$53.00

ISO/DIS 7784-1, Paints and varnishes - Determination of resistance to abrasion - Part 1: Method with abrasive-paper covered wheels and rotating test specimen - 2/28/2022, \$46.00

ISO/DIS 7784-2, Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen - 2/28/2022, \$46.00

Plain bearings (TC 123)

ISO/DIS 7148-1, Plain bearings - Testing of the tribological behaviour of bearing materials - Part 1: Testing of bearing metals - 2/26/2022, \$58.00

ISO/DIS 7148-2, Plain bearings - Testing of the tribological behaviour of bearing materials - Part 2: Testing of polymer-based bearing materials - 2/26/2022, \$88.00

Plastics (TC 61)

ISO/FDIS 5424, Plastics - Industrial compostable plastic drinking straws - 7/11/2021, \$46.00

ISO/DIS 5677, Testing and characterization of mechanically recycled Polypropylene (PP) and Polyethylene (PE) for intended use in different plastics processing techniques - 2/26/2022, \$40.00

ISO/DIS 15024, Fibre-reinforced plastic composites - Determination of mode I interlaminar fracture toughness, GIC, for unidirectionally reinforced materials - 3/3/2022, \$93.00

ISO/FDIS 11403-2, Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties - 7/29/2021, \$46.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

ISO/DIS 9854-1, Thermoplastics pipes for the transport of fluids - Determination of Charpy impact properties - Part 1: General test method - 7/18/2022, \$58.00

ISO/DIS 9854-2, Thermoplastics pipes for the transport of fluids - Determination of Charpy impact properties - Part 2: Test conditions for pipes of various materials - 7/18/2022, \$40.00

Road vehicles (TC 22)

ISO/DIS 3894, Road vehicles - Wheels/rims for commercial vehicles - Test methods - 7/17/2022, \$53.00

ISO/DIS 10605, Road vehicles - Test methods for electrical disturbances from electrostatic discharge - 7/17/2022, \$125.00

ISO/DIS 11451-5, Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 5: Reverberation chamber - 7/18/2022, \$155.00

Robots and robotic devices (TC 299)

ISO/DIS 31101, Robotics - Application services provided by service robots - Safety management systems requirements - 2/25/2022, \$119.00

Rolling bearings (TC 4)

ISO/FDIS 8443, Rolling bearings - Radial ball bearings with flanged outer ring - Flange dimensions - 10/3/2021, \$40.00

Rubber and rubber products (TC 45)

ISO/DIS 1407, Rubber - Determination of solvent extract - 7/17/2022, \$77.00

ISO/DIS 7231, Polymeric materials, cellular, flexible - Determination of air flow value at constant pressure-drop - 7/15/2022, \$67.00

ISO/DIS 24087, Rubber, vulcanized - Determination of the glass transition temperature and enthalpy by differential scanning calorimetry (DSC) - 2/27/2022, \$62.00

Safety of toys (TC 181)

ISO/DIS 8124-10, Safety of toys - Part 10: Experimental sets for chemistry and related activities - 7/16/2022, \$88.00

Security (TC 292)

ISO/DIS 22393, Security and resilience - Community resilience - Guidelines for planning recovery and renewal - 3/3/2022, \$107.00

Ships and marine technology (TC 8)

ISO/DIS 5540, Ships and marine technology - Sea-going vessels - Dual traction/stowage winches for oceanographic research - 7/15/2022, \$53.00

ISO/DIS 5556, Ships and marine technology - Sea-going vessels - Single-drum winches for oceanographic research - 7/17/2022, \$53.00

ISO/DIS 5694, Ships and marine technology - Deck covering - 2/28/2022, \$46.00

ISO/DIS 24681, Ships and marine technology - Fibre-reinforced plastic gratings - 2/28/2022, \$62.00

Sizing system, designations and marking for boots and shoes (TC 137)

ISO/DIS 19407, Footwear - Sizing - Conversion of sizing systems - 2/25/2022, \$53.00

ISO/DIS 19408, Footwear - Sizing - Vocabulary and terminology - 2/26/2022, \$77.00

Steel (TC 17)

ISO/DIS 683-17, Heat-treatable steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels - 2/25/2022, \$88.00

Steel and aluminium structures (TC 167)

ISO/DIS 17607-1, Steel structures - Execution of structural steelwork - Part 1: General requirements and vocabulary - 2/27/2022, \$107.00

ISO/DIS 17607-2, Steel structures - Execution of structural steelwork - Part 2: Steels - 2/27/2022, \$112.00

ISO/DIS 17607-3, Steel structures - Execution of structural steelwork - Part 3: Fabrication - 2/27/2022, \$165.00

ISO/DIS 17607-4, Steel structures - Execution of structural steelwork - Part 4: Erection - 2/27/2022, \$155.00

ISO/DIS 17607-5, Steel structures - Execution of structural steelwork - Part 5: Welding - 2/27/2022, \$112.00

ISO/DIS 17607-6, Steel structures - Execution of structural steelwork - Part 6: Bolting - 2/27/2022, \$155.00

Surface chemical analysis (TC 201)

ISO/DIS 18115-1, Surface chemical analysis - Vocabulary - Part 1: General terms and terms used in spectroscopy - 7/16/2022, \$175.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 19932-1, Equipment for crop protection - Knapsack sprayers - Part 1: Safety and environmental requirements - 7/14/2022, \$82.00

ISO/DIS 19932-2, Equipment for crop protection - Knapsack sprayers - Part 2: Test methods - 7/14/2022, \$88.00

ISO/DIS 19932-3, Equipment for crop protection - Knapsack sprayers - Part 3: Inspection of knapsack sprayers in use - 7/14/2022, \$46.00

Transport information and control systems (TC 204)

ISO/DIS 12813, Electronic fee collection - Compliance check communication for autonomous systems - 2/25/2022, \$125.00

ISO/DIS 21219-17, Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) - Part 17: Speed information (TPEG2-SPI) - 3/3/2022, \$102.00

Water quality (TC 147)

ISO/FDIS 13165-1, Water quality - Radium-226 - Part 1: Test method using liquid scintillation counting - 6/26/2020, \$67.00

ISO/FDIS 13165-2, Water quality - Radium-226 - Part 2: Test method using emanometry - 3/29/2021, \$71.00

Water re-use (TC 282)

ISO/FDIS 24297, Guidelines for treatment and reuse of leachate from municipal solid waste (MSW) incineration plants - 6/10/2021, \$93.00

ISO/FDIS 24416, Water reuse in urban areas - Guidelines for water reuse safety evaluation - Stability evaluation of reclaimed water - 3/6/2021, \$102.00

ISO/DIS 24575, Guidelines for cost analysis in planning of decentralized wastewater treatment and/or reuse - 2/25/2022, \$88.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 3721-2, Information technology - Information model for mixed and augmented reality content - Part 2: Augmentation style specification - 7/18/2022, \$62.00

ISO/IEC DIS 22123-1, Information technology - Cloud computing - Part 1: Vocabulary - 3/3/2022, \$67.00

ISO/IEC DIS 23093-4, Information technology - Internet of media things - Part 4: Reference software and conformance - 2/25/2022, \$62.00

ISO/IEC DIS 23090-13, Information technology - Coded representation of immersive media - Part 13: Video decoding interface for immersive media - 2/28/2022, \$112.00

Other

ISO/IEC DIS 17043, Conformity assessment - General requirements for the competence of proficiency testing providers - 2/26/2022, \$107.00

IEC Standards

Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)

46C/1223/CDV, IEC 62783-1 ED2: Twinax cables for digital communications - Part 1: Generic specification, 07/22/2022

Capacitors and resistors for electronic equipment (TC 40)

40/2945/CD, IEC 60939-3 ED2: Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate, 07/22/2022

40/2946/CD, IEC TS 63337 ED1: Basic qualification of DC-link film capacitors for automotive use - General Requirements, Test Conditions and Tests, 07/22/2022

Dependability (TC 56)

56/1955/CD, IEC 62508 ED2: Guidance on human aspects of dependability, 06/24/2022

Electrical accessories (TC 23)

23/1001(F)/FDIS, IEC 63044-5-1/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up, 05/20/2022

23K/66(F)/CDV, IEC 63345 ED1: Energy Efficiency Systems - Simple External Consumer Display, 07/15/2022

23A/997/FDIS, IEC 63355 ED1: Cable management systems - Test method for content of halogens, 06/10/2022

Electrical Energy Storage (EES) Systems (TC 120)

120/274/CD, IEC 62933-5-3 ED1: Electrical energy storage (EES) systems Part 5-3: Safety requirements for electrochemical based EES systems considering initially non-anticipated modifications - partial replacement, changing application, relocation and loading reused battery -, 06/24/2022

Electrical equipment in medical practice (TC 62)

62C/838/CD, IEC 62083 ED3: Medical electrical equipment - Requirements for the safety of radiotherapy treatment planning systems, 08/19/2022

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18/1768/CDV, IEC 60092-303 ED4: Electrical installations in ships - Part 303: Equipment - Power transformers and reactors, 07/22/2022

Electromagnetic compatibility (TC 77)

77A/1143/CD, IEC 61000-4-30 ED4: Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods, 07/22/2022

Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/2966/CD, IEC 63171-1 ED2: Connectors for electrical and electronic equipment - Part 1: Detail specification for two-way, shielded or unshielded, free and fixed connectors - Mechanical mating information, pin assignment and additional requirements for Type 1 copper LC style, 07/22/2022

Fibre optics (TC 86)

86/598/CDV, IEC 61744 ED3: Calibration of fibre optic chromatic dispersion test sets, 07/22/2022

Fuel Cell Technologies (TC 105)

105/908/CD, IEC 62282-8-201 ED2: Fuel cell technologies - Part 8-201: Energy storage systems using fuel cell modules in reverse mode - Test procedures for the performance of power-to-power systems, 07/22/2022

Fuses (TC 32)

32B/716A/CDV, IEC 60269-4/AMD3 ED5: Amendment 3 - Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices, 06/10/2022

Instrument transformers (TC 38)

38/704/DTS, IEC/IEEE TS 61869-105 ED1: Instrument transformers - Part 105: Uncertainty evaluation in the calibration of Instrument Transformers, 07/22/2022

Insulators (TC 36)

36/546/CD, IEC 61109 ED3: Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria, 07/22/2022

Lightning protection (TC 81)

81/694/CDV, IEC 62561-4 ED3: Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners, 07/22/2022

Safety of machinery - Electrotechnical aspects (TC 44)

44/950/CD, IEC TS 61496-5 ED1: Safety of machinery - Electro-sensitive protective equipment - Part 5: Particular requirements for radar-based protective Devices, 07/22/2022

Semiconductor devices (TC 47)

47F/408/NP, PNW 47F-408 ED1: Future IEC 62047-48 ED1: Test method of determining solution concentration by optical absorption using MEMS fluidic device, 07/22/2022

Switchgear and controlgear (TC 17)

17C/845(F)/FDIS, IEC 62271-212 ED2: High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS), 05/13/2022

17C/848/CD, IEC TR 62271-307 ED2: High-voltage switchgear and controlgear - Part 307: Guidance for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 07/22/2022

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/477A/CD, IEC TR 63434 ED1: Low voltage switchgear and controlgear - Partial discharge voltages and PD-level in low voltage switchgear and controlgear, 05/13/2022

Other

CIS/A/1369/CD, CISPR 16-1-4 ED5: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 06/24/2022

SyCAAL/264/CD, IEC 63310 ED1: Functional performance criteria for robots used in AAL connected home environment, 07/22/2022

JTC1-SC41/285/NP, PNW JTC1-SC41-285 ED1: Internet of Things (IoT) - Autonomous IoT object identification in connected home - Requirements and framework, 07/22/2022

JTC1-SC41/286/NP, PNW JTC1-SC41-286 ED1: Internet of Things (IoT) - Addressing interoperability between IPv6-based network and UWASN, 07/22/2022

Ultrasonics (TC 87)

87/795/CD, IEC TS 62903 ED2: Ultrasonics - Measurements of electroacoustical parameters and acoustic output power of spherically curved transducers using the self-reciprocity method, 07/22/2022

Wearable electronic devices and technologies (TC 124)

124/182/NP, PNW 124-182 ED1: Future IEC 63203-403-1 ED1: Wearable electronic devices and technologies - Part 403-1: Test methods of surface electromyography sensors for wearable applications, 07/22/2022

Wind turbine generator systems (TC 88)

88/884/CD, IEC TS 61400-31 ED1: Wind energy generation systems - Part 31: Siting Risk Assessment, 07/22/2022



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

Agricultural food products (TC 34)

[ISO 5984:2022](#), Animal feeding stuffs - Determination of crude ash, \$73.00

Anaesthetic and respiratory equipment (TC 121)

[ISO 80601-2-13:2022](#), Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation, \$250.00

Fasteners (TC 2)

[ISO 3506-5:2022](#), Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 5: Special fasteners (also including fasteners from nickel alloys) for high temperature applications, \$200.00

Fertilizers and soil conditioners (TC 134)

[ISO 7851:2022](#), Fertilizers, soil conditioners and beneficial substances - Classification, \$73.00

Fluid power systems (TC 131)

[ISO 8132:2022](#), Hydraulic fluid power - Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series, \$111.00

Freight containers (TC 104)

[ISO 6346:2022](#), Freight containers - Coding, identification and marking, \$149.00

Geotechnics (TC 182)

[ISO 17892-1:2014/Amd 1:2022](#), - Amendment 1: Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1, \$20.00

Mechanical vibration and shock (TC 108)

[ISO 10813-4:2022](#), Vibration generating machines - Guidance for selection - Part 4: Equipment for multi-axial environmental testing, \$175.00

Nuclear energy (TC 85)

[ISO/ASTM 51310:2022](#), Practice for use of a radiochromic optical waveguide dosimetry system, \$48.00

Optics and optical instruments (TC 172)

[ISO 9022-3:2022](#), Optics and photonics - Environmental test methods - Part 3: Mechanical stress, \$73.00

Paper, board and pulps (TC 6)

[ISO 8784-3:2022](#), Pulp, paper and board - Microbiological examination - Part 3: Enumeration of yeast and mould based on disintegration, \$73.00

Personal safety - Protective clothing and equipment (TC 94)

[ISO 23616:2022](#), Cleaning, inspection and repair of firefighters personal protective equipment (PPE), \$200.00

Road vehicles (TC 22)

[ISO 16844-6:2022](#), Road vehicles - Tachograph systems - Part 6: Diagnostic communication interfaces, \$111.00

[ISO 15118-20:2022](#), Road vehicles - Vehicle to grid communication interface - Part 20: 2nd generation network layer and application layer requirements, \$250.00

Welding and allied processes (TC 44)

[ISO 17405:2022](#), Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion, \$73.00

ISO Technical Reports

Equipment for fire protection and fire fighting (TC 21)

[ISO/TR 7240-9:2022](#), Fire detection and alarm systems - Part 9: Test fires for fire detectors, \$225.00

Transport information and control systems (TC 204)

[ISO/TR 23255:2022](#), Intelligent transport systems - Architecture - Applicability of data distribution technologies within ITS, \$200.00

ISO Technical Specifications

Optics and optical instruments (TC 172)

[ISO/TS 22247:2022](#), Optics and photonics - Effective numerical aperture of laser lenses - Definition and verification procedure, \$111.00

Transport information and control systems (TC 204)

[ISO/TS 14812:2022](#), Intelligent transport systems - Vocabulary, \$48.00

Waste collection and transportation management (TC 297)

[ISO/TS 24159:2022](#), Refuse collection vehicles - Safety of manual and rear-loaded refuse collection vehicles, \$73.00

IEC Standards

Lamps and related equipment (TC 34)

[IEC 60810 Amd.2 Ed. 5.0 b:2022](#), Amendment 2 - Lamps, light sources and LED packages for road vehicles - Performance requirements, \$25.00

[IEC 60810 Ed. 5.2 b:2022](#), Lamps, light sources and LED packages for road vehicles - Performance requirements, \$696.00

Small power transformers and reactors and special transformers and reactors (TC 96)

[IEC 61558-2-14 Ed. 2.0 b:2022](#), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers for general applications, \$133.00

[IEC 61558-2-15 Ed. 3.0 b:2022](#), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for medical IT systems for the supply of medical locations, \$183.00

[S+ IEC 61558-2-14 Ed. 2.0 en:2022 \(Redline version\)](#), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers for general applications, \$173.00

[S+ IEC 61558-2-15 Ed. 3.0 en:2022 \(Redline version\)](#), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for medical IT systems for the supply of medical locations, \$239.00

Accreditation Announcements (U.S. TAGs to ISO)

Approval of Accreditation – U.S. TAG to ISO

PC 337, Guidelines for the promotion and implementation of gender equality

Effective April 27, 2022

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO **PC 337, Guidelines for the promotion and implementation of gender equality** and the appointment of the Underwriters Laboratories Inc. as TAG Administrator, effective **April 27, 2022**. 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: Grace Roh, Underwriters Laboratories Inc.: 12 Laboratory Drive Research Triangle Park, NC 27709, P: (919)549-1389 E: Grace.Roh@ul.com

International Electrotechnical Commission (IEC)

NEMA is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/TC 96. The USNC is looking for a new organization to take on this USNC TAG Administratorship.

Please note that according to the rules and procedures of the USNC, a USNC TAG cannot exist without a USNC TAG Administrator. If we cannot find a new USNC TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC 96, they are invited to contact Betty Barro at bbarro@ansi.org by June 3, 2022.

USNC TAG Administrator - Organization Needed

TC 96 - Transformers, reactors, power supply units, and combinations thereof

Comment Deadline: June 3, 2022

Standardization in the field of safety, EMC, EMF, energy efficiency and environmental aspects of transformers, reactors, power supply units, and combinations thereof. The standardization does not cover transformers, reactors and power supply units intended to be a part of distribution networks (covered by TC 14).

TC 96 has group safety function in accordance with IEC Guide 104 for transformers other than those intended to supply distribution networks, in particular transformers and power supply units intended to allow the application of protective measures against electric shock as defined by TC 64, with no limitation of rated output power, but in certain cases including limitation of voltage.

The general limitations for voltages are:

- rated supply voltage not exceeding 1 000 V a.c.;*
- rated output voltage not exceeding 1 000 V a.c. or 1 500 V ripple free d.c.; however, internal voltages may exceed 1 000 V a.c. or 1 500 V ripple free d.c. For high-voltage applications, other than distribution networks (covered by TC 14), the rated output voltage can exceed 1 000 V a.c. or 1 500 V ripple free d.c. but the no load output voltage shall not exceed 15 000 V a.c. or 15 000 V d.c.*

The general limitations for the rated output are:

- The maximum rated output depends on the type of transformer or linear power supply unit does in most cases not exceed 25 kVA for single-phase products and 40 kVA for three phase products;*
- the maximum rated output does not exceed 1 kVA for both single-phase and three phase Switch Mode Power Supplies;*
- the general limitations for the rated core power are 25 kVA for single-phase auto transformers and 40 kVA for three phase auto transformers;*
- the general limitations for the rated power are 50 kvar for single-phase reactors and 80 kvar for three phase reactors. For special transformers, reactors and power supply units and combinations thereof there are no limitation of rated output, rated core power and rated power.*

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 281 – Fine bubble technology

Comment Deadline: May 27, 2022

ANSI has been informed that the International Sanitary Supply Association (ISSA), the ANSI-accredited U.S. TAG Administrator for ISO/TC 281 – Fine bubble technology, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 281 operates under the following scope:

Standardization in the field of Fine Bubble Technology covering general principles including terminology, characterization and applications of fine bubbles of gas in a typically but not exclusively liquid medium. The artificially manufactured fine bubbles of typically smaller than 100 micrometres in size are considered.

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

ISO Proposal for a New Field of ISO Technical Activity

Online catering service

Comment Deadline: June 10, 2022

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Online catering service, with the following scope statement:

Standardization in the field of online catering service. The scope will include, but is not limited to:

- *Vocabulary, principles, and framework of online catering service,*
- *Guidelines for service of online catering service providers, including physical restaurants, virtual kitchens/virtual restaurants*
- *Contents and methods of meal display and information description on online catering service website/App, and accessible online ordering,*
- *Operation management of online catering service providers, including purchasing and inventory, marketing,*
- *Monitoring, evaluation, and improvement of service.*

Excluded: Standardization covered by ISO/TC 34/SC 17(food safety management), ISO/TC 122(Packaging), ISO/TC 228/WG 16(Tourism and related services - Restaurants), ISO/TC 268/SC 2(Sustainable cities and communities - Sustainable mobility and transportation), ISO/TC 290(Online reputation) and ISO/TC 315(Cold chain logistics), and ISO/TC 326(Machinery intended for use with foodstuffs)

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 10, 2022.

ISO Proposal for a New Field of ISO Technical Activity

Smart Distribution in Logistics

Comment Deadline: June 3, 2022

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Smart Distribution in Logistics, with the following scope statement:

International Organization for Standardization (ISO)

The scope of the proposed new technical committee is to standardize services, techniques application and management in the field of distribution in logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability of distribution in logistics.

The scope will include, but is not limited to;

- *Development of general requirement, framework, metrics, guidance, performance indicator, evaluation for smart distribution in logistics, etc.;*
- *Provision of service assurance for smart distribution in logistics (e.g. smart operation of distribution center, freight fleet management, education and training for operators, etc.)*
- *Operation, service and synergy optimization of distribution in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage, repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.)*

Excluded:

- *ISO/TC 22 Road vehicles*
- *ISO/TC 34 Food products*
- *ISO/TC122 Packaging*
- *ISO/TC 204 Intelligent transport systems*
- *ISO/TC 268 Sustainable cities and communities*
- *ISO/TC 315 Cold chain logistics*
- *ISO/TC 321 Transaction assurance in E-commerce*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 3, 2022.

Registration of Organization Names in the United States

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

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point> Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

1 **EXECUTIVE SUMMARY OF CHANGES FOR ESD STM11.11 LIMITED BALLOT**

2

3 **5.0 GENERAL DISCUSSION**

4 This procedure is recommended instead of ASTM D257 for measuring the surface resistance of
5 planar materials within a range from $\geq 1.0 \times 10^4$ ohms to $< 1.0 \times 10^{11}$ ohms. This procedure is a
6 resistance measurement on the surface of the material and is applied without regard to the sample's
7 mechanism of conduction. This standard test method consists of the following steps:

8 A. Sample preparation and conditioning.

9 B. Set-up of the instrumentation, including verification of the electrode assembly.

10 C. Determination of the system's electrification period.

11 D. Test procedure.

12 E. Documentation and reporting of data.

13 NOTE: Surface resistance is a direct measurement on a material's surface. This measurement should not be
14 confused with surface resistivity as previously employed in ASTM D257 references for insulative materials.

15

16 **6.2.1 Specimen Support Surface Dimensions**

17 ~~The specimen support surface should be 10 mm more in length and width than the specimens~~
18 ~~under test. The specimen support surface thickness should be ≥ 1 mm.~~

19 The specimen support surface shall have dimensions whose length and width are at least 10 mm
20 greater than the specimen under test, with a thickness of greater than or equal to 1 mm.

EXECUTIVE SUMMARY OF CHANGES FOR ESD STM5.5.1

5.1 Bandwidth Requirements

The minimum bandwidth and sampling rate requirements depend on the pulse length and rise times of the pulses to be measured. In the following requirements, it is assumed that the TLP measurements are being performed to determine a quasi-static current-voltage (I-V) curve from data in a window after the initial transient effects have settled. If transient properties are being investigated, higher bandwidth components are needed.

NOTE: For transient measurements, see ESD TR5.5-05-20 on making transient measurements with TLP.

Table 2 lists the basic bandwidth requirements for measuring quasi-static I-V curves using TLP. The oscilloscope is the most expensive component in most TLP systems. The bandwidth requirements in Table 2 have been chosen such that the oscilloscope is the limiting element in the bandwidth. The bandwidth recommendations for the other elements in the measurement chain are chosen to ensure that when combined, the full measurement chain bandwidth is not reduced to a value below that of the oscilloscope bandwidth. If the recommendations cannot be met, verifying the pulse shape properties using calibration structures is recommended.

Table 2. Minimum Requirements/Recommendations for Quasi-Static TLP Measurements

Pulse Width/ Rise Time	Requirements for Oscilloscope		Bandwidth Recommendation for Cables, Filters, Attenuators, (DUT) Connectors	Bandwidth Recommendation for Voltage and Current Probe and Oscilloscope Protection
	Bandwidth	Sample Rate		
≥ 100 ns / ≥ 10 ns	100 MHz	0.5 GS/s	300 MHz	300 MHz
≥ 50 ns / 2.5 ns	500-200 MHz	1 GS/s	1.5 GHz	1.5 GHz
10 ns / 1 ns	1 GHz	3 GS/s	3 GHz	3 GHz
5 ns / 0.5 ns	2 GHz	6 GS/s	6 GHz	5 GHz
1 ns / 0.1 ns	6 GHz	20 GS/s	18 GHz	10 GHz

6.1 Waveform Parameters

- pulse sag. The decay in the amplitude ~~of the plateau~~ late in the pulse.

NOTE: This parameter is only a concern for standard TLP and long pulse lengths where the resistance of the pulse source cable may become significant, forming a voltage drop during the pulse duration. See Figure 3.

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

NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems.

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5 Design and construction

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5.11 Alternate air delivery components

To ensure stabilized air flow conditions are met, proposed alternate air delivery components – either air compressors or blowers – that create air pressure shall be run for a minimum of 4 h at the system pressure recorded at the outset of the evaluation of the system as outlined in Sections 8.1.1.8, 8.2.1.8, and 8.5.2. The alternate air delivery components must deliver flow in the range of 90% to 130% of the flow produced by the original air delivery component. Justification for qualifying air delivery components with flows higher than 130% may be considered by the certification body based on sound engineering principles. Air delivery components with flows lower, or higher, than the stated range of 90% to 130% may be considered for qualification by the certification body based on system performance testing.

Rationale: In addition to section 8.1.1.8., section 8.2.1.8. also outlines pressure measurements for residential wastewater reuse systems, and section 8.5.2 provides accuracy requirements. These sections are included below for reference.

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8.1.1.8 The system shall be operated in accordance with the manufacturer's instructions. Routine service and maintenance of the system shall not be permitted during the performance testing and evaluation period.

It is permissible for the manufacturer to recommend or offer more frequent service and maintenance of the system, but for the purpose of performance testing and evaluation, service and maintenance shall not be performed beyond what is specified in this Standard.

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8.2.1.8 Prior to initiation of design loading, the air delivery component (if one is utilized) – either air compressor or blower – shall be connected to the system and run for a minimum of 4 h. Air pressure shall be measured by a pressure gauge installed near the exhaust port of the air delivery component and that reading recorded. Then the air compressor or blower component shall be disconnected from the system and the air flow measured at the system pressure and recorded.

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8.5.2 Pressure and flow

Air pressure shall be measured using a gauge with accuracy of 2% or better. Airflow shall be measured using a flow meter with accuracy of 10% or better.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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9 Mechanical plumbing devices

9.1 Coverage

This section covers mechanical plumbing devices, components, and materials that are typically installed within the last liter of the distribution system (endpoint devices) and are intended to dispense water for human ingestion. In-line devices are excluded from this section and are covered under Section 8. POU and POE water treatment devices are excluded.

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9.1.2 Endpoint devices specifically exempted from the coverage of this ~~section~~ **standard** are:

- bath and shower valves, shower heads of all types, and Roman tub valves;
- all drains;
- backflow prevention devices **present in the last liter of the distribution system**;
- flexible plumbing connectors and flexible risers not intended for potable water applications (e.g., washing machines, dishwashers, etc.);
- prerinse assemblies that do not include an auxiliary spout or other outlet; and
- all endpoint devices that are not specifically intended to dispense water for human consumption, for example:
 - utility, laundry, laboratory, bidet, and shampoo faucets;
 - faucets with a hose thread spout end or with a quick disconnect end;
 - faucets that are self-closing or metering;
 - electronically activated nonkitchen faucets; or

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— hand wash stations.

9.1.3 Endpoint devices that are exempted from the scope of this section shall be permitted to be evaluated at the option of the manufacturer. With the exception of exempted prerinse assemblies, all exempted devices shall be evaluated using the 1-L (0.26-gal) draw. Exempted prerinse assemblies shall be evaluated using the 18.9-L (5-gal) draw.

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Rationale for Section 9.1: To clarify that while in-line devices are excluded from Section 9, they are covered under Section 8.

Rationale for Section 9.1.2: To clarify that these exempt products are not covered under another section of the standard.

BSR/UL 499, Standard for Safety for Electric Heating Appliances

1. Clarification on Charcoal Igniters

PROPOSAL

1.7 These requirements do not cover charcoal igniters that have an integral electrically heated vessel.

2.0 CHARCOAL IGNITORS – A handheld wand type of appliance with exposed sheath heating element for heating charcoal within a non-electric grill. This does not include charcoal igniters with an integral electrically heated vessel for charcoal preparation.

2. Addition of New Reference Standards for Power Supplies

PROPOSAL

6.2.11 Power Supplies

6.2.11.1 ~~Power supplies that~~ A Class 2 power supply shall comply with the Standard for Class 2 Power Units, UL 1310, ~~are considered to fulfill Class 2 output requirements of this Standard. They need not be additionally investigated if they comply with 6.1.3 when installed as intended in or on the appliance.~~

6.2.11.2 A non-Class 2 power supply shall ~~Power supplies that~~ comply with one of the following.

- a) Standard for Power Units Other Than Class 2, UL 1012; or ~~, are considered to fulfill the requirements of this Standard. They need not be additionally investigated if they comply with 6.1.3 when installed as intended in or on the appliance.~~
- b) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or
- c) Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

6.2.11.3 Limited Power Source (LPS) power supplies shall comply with the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1 or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

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BSR/UL 746B, Standard for Polymeric Materials – Long Term Property Evaluations

1. Revision of Requirements for Thermal Aging in Paragraph 16.3

PROPOSAL

16.3 ~~All specimens~~ Specimens of unaged set(s) are to be pre-conditioned for a minimum of 48 hours at the lowest aging temperature used at the beginning of the program for each specific property evaluated, to eliminate any short-term thermal effects.

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UL 746E, Standard for Polymeric Materials – Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed Wiring Boards

1. Update Clause 8.2, Table 8.2, and Table 9.3

[Note: Tables 8.2 and 9.3 are not shown in their entirety. Only portions dealing with these proposed updates are being shown.]

PROPOSAL

8.2 An industrial laminate having acceptable characteristics of flammability, infrared analysis, ash content (where applicable), flexural strength, and thermal aging (when required), as described in this section for a UL/ANSI type industrial laminate of the same generic type, shall be assigned the UL/ANSI type designation, the profile of performance values shown in Table 7.2 and the relative thermal index shown in Table 7.3 for that UL/ANSI material. ~~A UL/ANSI material requiring a separate adhesive to bond the metal cladding shall comply with the additional Performance Profile Indexing tests shown in 19.11.1, 19.11.2, and 19.11.3. An industrial laminate not intended to be a UL/ANSI type and/or having unacceptable fundamental variations in the IR spectra as indicated in 8.6 shall be evaluated per the full test program. See Section 9.~~

8.2A A UL/ANSI material requiring a separate adhesive to bond the metal cladding shall comply with the additional Performance Profile Indexing tests shown in Adhesives for Bonding Conductors, Section 19.11.

8.2B An industrial laminate not intended to be a UL/ANSI type and/or having unacceptable fundamental variations in the IR spectra as indicated in 8.6 shall be evaluated per the Full Test Program, Section 9.

**Table 8.2
Abbreviated Industrial Laminate Program Requirements**

UL/ANSI Grade	Acceptable values					
	Minimum flexural strength MPa (psi)		Ash content range (% by weight)		UL 94 Flammability Class	
	Thickness		Thickness		Thickness	
	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)
GPO-2	–	124.1 (18,000)	44.6 – 60.2	44.6 – 60.2	<u>HB</u>	V-0
GPO-3	–	124.1 (18,000)	47.8 – 57.2	47.8 – 57.2	<u>HB</u>	V-0

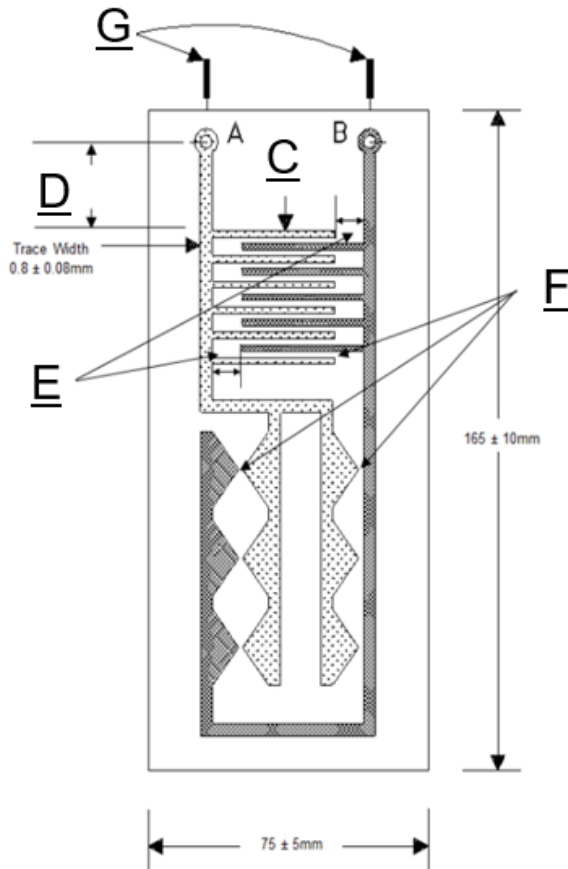
Table 9.3
Polytetrafluoroethylene (PTFE) Abbreviated Unaged Property Test Program and Sample Requirements for Generic 130°C Electrical and Mechanical RTI

Property	Sample dimensions length by width mm (inch)	Nominal thickness mm (inch)	Minimum number of samples	Applicable material	For method refer to
Flexural Strength	100 x 25 (4 x 1)	1.6 (0.062)	40 ₅	PTFE	8.10, 9.3, UL 746A
	100 x 25 (4 x 1)	0.8 (0.031)	40 ₅	PTFE	8.10, 9.3, UL 746A

2. Clarification of Conformal Coating Figure 22.1

PROPOSAL

Figure 22.1
Conformal coating dielectric test pattern



Notes:

A and B – Plated-through holes, or pads, for lead wire connection for testing purposes. Conductor trace width 0.8mm +/- 0.08mm

C – Comb pattern (parallel traces) conductor trace width 0.5mm +/- 0.05mm

D – Minimum distance of 30 mm to prevent flashover between lead wire connections and comb pattern

E- Distance between the comb pattern trace termination and the opposite polarity conductor shall be greater than the minimum desired spacing

F – Minimum desired spacing between trace to trace, point to point and trace to point conductor spacings

G – High temperature (i.e. PTFE, Silicone, etc.) insulated test leads soldered to the test pattern through the back of the board for testing purposes

3. Add Alternative Oven Conditioning to Sections 19.3 and 19.9 Multilayer Dissimilar Material Evaluation

PROPOSAL

19.3.6 Testing of a metal clad multilayer dissimilar dielectric material construction shall be subjected to Section 19.9, Dissimilar Dielectric Materials Thermal Cycling Test, and Section 19.10, Flammability Test. Each individual material, in the combination of dissimilar materials, shall have been previously evaluated for performance profile indexing values and Relative Thermal Indices (RTIs) specified in this Standard.

19.9.2.1 Thermal conditioning for three cycles of the following using the scheduling described in Table 19.5, Thermal cycling scheduling – to be used with a manual process (see also Table 30.127-4, Thermal Cycling Scheduling to be Used with a Manual Process, in UL 796):

- a) 48 hours at 10°C (18°F) above the maximum operating temperature (MOT) specified by the manufacturer or if a material in the construction does not have an MOT, condition for 48 hours at 10°C (18°F) above the lowest rated material RTI in the dissimilar construction,
- b) 64 hours at 35 ±2°C (95 ±3.6°F) at 90 ±5 percent humidity,
- c) 8 hours at 0°C (32°F), and
- d) 64 hours at 35 ±2°C (95 ±3.6°F) at 90 ±5 percent humidity.

UL 796F, Standard for Flexible Materials Interconnect Constructions

1. Add Term 6.149A – Shielding Material

PROPOSAL

6.149A SHIELDING MATERIAL – A material, usually electrically conductive, that reduces the interaction of electric or magnetic fields upon devices, circuits, or portions of circuits. Shielding properties shall be evaluated during the end product investigation.

2. Clarification of ANSI-like Program Wording for Clause 8.2.2

PROPOSAL

8.2.2 When the base dielectric material and adhesive combination have been previously investigated for flammability classification in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94, and the Standard for Polymeric Materials – Flexible Dielectric Film Materials for Use in Printed Wiring Boards and Flexible Materials Interconnect Constructions, UL 746F, testing is not required to add alternate base materials to an established Flammability Only FMIC when the base dielectric material and adhesive combination meets the following requirements:

- a) The alternate film shall be the same generic polyimide type as the previously evaluated film and adhesive with the FMIC adhesive;
- b) The alternate film shall be used with the same adhesive and adhesive thickness or shall be adhesiveless the same as the previously evaluated film with the FMIC;
- c) The alternate film minimum thickness shall be equal to or less than the film minimum thickness previously evaluated with the FMIC;
- d) The alternate film maximum thickness shall be equal to or greater than the film maximum thickness previously evaluated with the FMIC;
- e) The alternate film shall have a V-0 or VTM-0 flammability rating the same as the previously evaluated film with the FMIC; and
- f) The alternate film and adhesive combination shall have a flammability rating equal to the previous flammability rating of the FMIC.

3. Update references to Stabilization period in Sections 12.6, 12.12, 12.13

PROPOSAL

12.6.5.10 Attach a rigid reinforcement material to the backside of the samples using double-faced adhesive tape or an adhesive system in accordance with 12.6.4.1, so the samples do not flex or tent during the bond strength test. ~~Note~~— The test samples shall be oven conditioned in accordance with 12.6.5.6 or 12.6.5.7 without any supplemental

reinforcement attached. A supplemental reinforcement material shall be applied to the test samples only after the ~~stabilization period following~~ oven conditioning and cooling.

12.8.6.1 Record and report the following test data:

- a) The presence of any loosening, wrinkles, cracks, blisters, or delamination in the conductors or insulation materials prior to thermal cycling; and
- b) The presence of any loosening, wrinkles, cracks, blisters, or delamination in the conductors or insulation material in accordance with 12.8.5.6, following thermal cycling, and cooling, and ~~stabilization~~.

12.12.5.12 Attach a rigid reinforcement material to the stiffener side of the samples ~~oven conditioned in accordance with 12.12.5.8 or 12.12.5.9 and cooled and stabilized in accordance with 12.12.5.10~~, using double-faced adhesive tape or an adhesive system in accordance with 12.12.4.1, so the samples do not flex or tent during the bond strength test. The test samples shall be oven conditioned in accordance with 12.12.5.8 and 12.12.5.9 without any supplemental reinforcement attached. A supplemental reinforcement material shall be applied to the test samples only after the ~~stabilization period~~, following oven conditioning and cooling.

~~12.13.5.10 Subject the samples to a stabilization period of a minimum of 48 hours at 23 ± 2 °C (73.4 ± 3.6 °F) and 50 \pm 10 percent RH, following examination in accordance with 12.13.5.8.~~

12.13.5.11 Subject the samples to a dielectric withstand test in accordance with 12.13.5.3, following the examination in accordance with 12.13.5.8. ~~stabilization period in accordance with 12.13.5.9.~~

4. Editorial Updates

[Note from STP Project Manager: The only change proposed for Figure 12.21 is to the title.]

PROPOSAL

12.11.2.1 Flexible constructions shall show no evidence of cracking, splitting, or delamination of the film, adhesive, base material, conductor, bonding film, cover material, dielectric material, laminate, prepreg, or other insulation material and the continuity circuit shall remain in a closed condition when subjected to 50 cycles of flexing to 180 degrees about a rigid 12.7 6.4 mm (0.5 1/4 inch) mandrel at standard laboratory ambient conditions.

12.15.3 Samples with conductive paste for ~~shield~~ shielding material

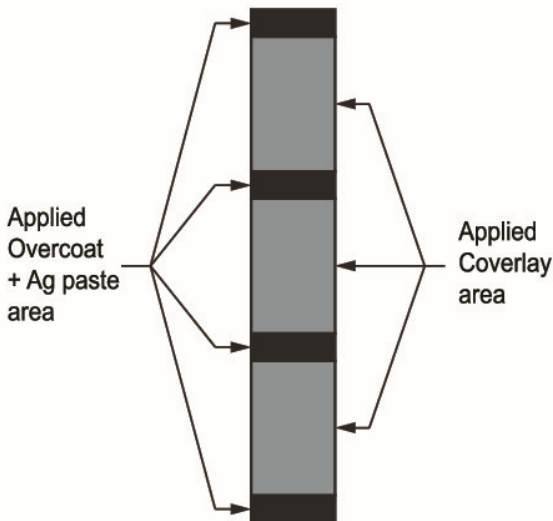
12.15.3.1 If a conductive paste material is applied as ~~shield~~ shielding material in the FMIC construction, flammability tests shall be conducted on the minimum and maximum construction build-up thickness including conductive paste.

Figure 12.21
Flammability Sample Structure for Shield Shielding Material

Structure B

Structure B1

Top Viewing



Prior permission from UL.

Over coat
 Ag Paste
 Base
 Ag Paste
 Over coat



Over coat
 Ag Paste
 Base
 Ag Paste
 Over coat



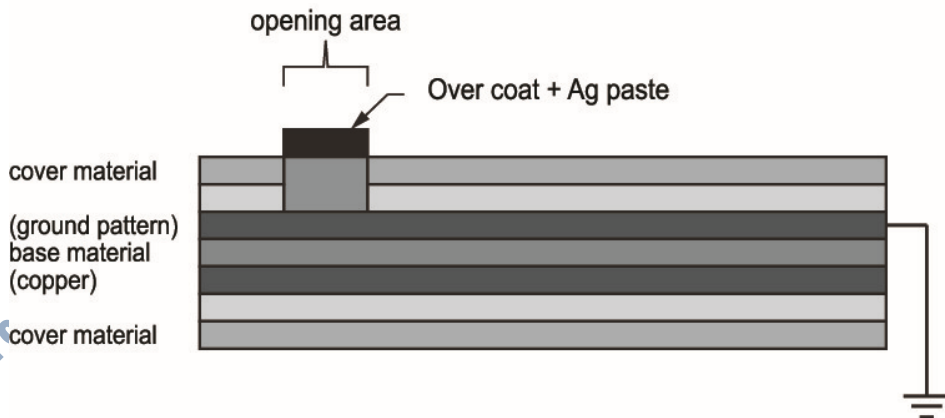
& CL
 Base
 CL

Cross Section
 Viewing

Applied
 Overcoat +
 Ag paste
 area

Applied
 Coverlay
 area

Description of the opening area on cover material



UL