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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: February 18, 2018

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 67-201x, Standard for Safety for Panelboards (revision of ANSI/UL 67-2017)

This proposal for UL 67 covers the following topics: (1) Addition of requirements for marking for panelboards intended to be connected to uninterruptible power supplies (UPS); (2) Addition of requirements to allow a frequency range for dielectric testing; (3) Update of requirements for separation of circuits in Section 18; and (4) Clarification of requirements for temperature testing of panelboards with breakers incorporating integral neutral connections to Paragraph 19.4.3.1.

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

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-201x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2017)

This proposal for UL 94 covers a revision to Section 12 of HBF, HF-1 or HF-2 Ratings for Polymeric Foamed Materials.

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

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 507-201x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2017)

This proposal for UL 507 covers: (1) Rangehoods with ceiling-mounted luminaire module; and (2) New exception for products employing UV lamps.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 565-201x, Standard for Safety for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 565-2013 (R2017))

The following is being proposed: (1) Revisions to the 10-day moist ammonia-air stress cracking test.

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

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 969-201X, Standard for Safety for Marking and Labeling Systems (revision of ANSI/UL 969-2017)

(1) Specify more specific dimensions for the roller used to apply the test samples to the panels; (2) Addition of thermal shock requirements that have been applied to labels affixed to PWB's and clarification of labels evaluated for use in Class I, Division 1 hazardous locations.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1581-201X, Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2017)

Addition of EVA requirements, revised Table 47.1, and new Table 50.246.

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

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2157-201X, Standard for Safety for Electric Clothes Washing Machines and Extractors (Proposal dated 1-19-18) (revision of ANSI/UL 2157-2015)

This Recirculation proposal provides revisions to the UL 2157 proposal dated 2017-10-27.

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

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

Comment Deadline: March 5, 2018

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 040-201x, Standards for Forensic DNA Interpretation and Comparison Protocols (new standard)

This document describes requirements for a laboratory's DNA interpretation and comparison protocol and provides direction for its development in order to consistently produce reliable, repeatable, and reproducible interpretations and conclusions that are supported by internal validation data. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

Single copy price: Free

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

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

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

ABMA (ASC B3) (American Bearing Manufacturers Association)

New Standard

BSR/ABMA 10-201x, Metal Balls (new standard)

This standard establishes the requirements for finished metal balls for rolling contact (ball) bearings and other uses.

Single copy price: Free

Obtain an electronic copy from: info@americanbearings.org

Order from: info@americanbearings.org

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

AGMA (American Gear Manufacturers Association)

Revision

BSR/AGMA 9001-CXX-201x, Flexible Couplings - Lubrication (revision and redesignation of ANSI/AGMA 9001-B97 (R2014))

This standard provides information on lubrication of gear couplings, chain couplings, and metallic grid couplings. Types of lubricants and lubrication methods and practices are included.

Single copy price: 60.00 (non-member), \$30.00 (AGMA member)

Obtain an electronic copy from: tech@agma.org

Order from: Amir Aboutaleb, (703) 684-0211, tech@agma.org

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

APT (ASC CGATS) (Association for Print Technologies)

Reaffirmation

BSR CGATS.9-2007 (R201x), Graphic technology - Graphic arts transmission densitometry measurements - Terminology, equations, image elements and procedures (reaffirmation of ANSI CGATS.9-2007 (R2012))

This standard defines terminology, equations, process control elements, and procedures for measurement and communication of transmission densitometry data for graphic arts halftone images. Graphic arts includes, but is not limited to, the preparation of material for, and volume production by, production printing processes which include offset lithography, letterpress, flexography, gravure, and screen printing. Although this standard addresses halftone applications, there are situations where non-traditional halftones and/or continuous tone materials are used for which these computations are also appropriate.

Single copy price: \$16.00

Obtain an electronic copy from: dorf@npes.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.103-2004 (R201x), Motor Vehicle Retail Sale and Lease Electronic Contracting (reaffirmation of ANSI X9.103-2004 (R2010))

This standard addresses the creation, storage, and assignment of Electronic Chattel Paper where assignment involves establishing "control" of the Electronic Chattel Paper. In addition, this standard addresses retail installment sale and lease contracts in the automotive dealer financing industry. However, it may be useful in establishing a similar process for banks, credit unions, and finance companies that make secured loans directly to buyers to enable them to purchase vehicles.

Single copy price: \$60.00

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

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section IV-201x, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2017)

The rules of this Section of the Code cover minimum construction requirements for the design, fabrication, installation, and inspection of steam heating, hot water heating, hot water supply boilers that are directly fired with oil, gas, electricity, coal, or other solid or liquid fuels, and for operation at or below the pressure and temperature limits set forth in this document. Similar rules for potable water heaters are also included.

For Section IV application, the boiler proper or other vessels terminate at the supply and return connections to the system or the supply and feedwater connections of a hot-water supply boiler. These connections may be any of the following:

- (a) the first circumferential joint for welding end connections;
- (b) the face of the first flange in bolted flanged connections; and
- (c) the first threaded joint in that type of connection.

Included within the scope of the boiler are pressure-retaining covers for inspection openings, such as manhole covers, handhold covers, and plugs; and headers required to connect individual coils, tubes, or cast sections within a boiler.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section XII-201x, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2017)

The rules of this Section constitute requirements for construction and continued service of pressure vessels for the transportation of dangerous goods via highway, rail, air, or water. Construction is an all-inclusive term comprising materials, design, fabrication, examination, inspection, testing, certification, and over-pressure protection. Continued service is an all-inclusive term referring to inspection, testing, repair, alteration, and recertification of a transport tank that has been in service.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

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

AWS (American Welding Society)

New Standard

BSR/AWS D10.22/D10.22M-201x, Specification for Local Heating of Welds in Creep Strength-Enhanced Ferritic Steels, in Piping and Tubing Using Electric Resistance Heating (new standard)

This specification establishes the requirements for local heating of welds in creep strength-enhanced ferritic steels, in piping and tubing using electric resistance heating. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$32.00

Obtain an electronic copy from: sborrero@aws.org

Order from: sborrero@aws.org

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

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revision

BSR/BIFMA X6.1-201X, Educational Seating (revision of ANSI/BIFMA X6.1-2012)

This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of Educational Seating, including units with integrated desk or table surfaces.

Single copy price: Free

Obtain an electronic copy from: dpanning@bifma.org

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

CSA (CSA Group)

Revision

BSR Z21.101-201x, Standard for Gas Hose Connectors for Portable and Moveable Gas Appliances (same as CSA 8.5) (revision of ANSI Z21.101-2012 (R2017))

This standard applies to newly produced other than all-metal flexible gas connectors constructed entirely of new, unused parts and materials, consisting of flexible tubing dependent on other than all-metal construction for gas leak resistance. This connector is intended to be used in conjunction with ANSI Z21.90, Gas Convenience Outlets and Optional Enclosures, and is for use with indoor gas-fired appliances that are frequently moved after installation.

Single copy price: Free

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

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

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

CTA (Consumer Technology Association)

Revision

BSR/CTA 2045-A-201x, Modular Communications Interface for Energy Management (revision, redesignation and consolidation of ANSI/CTA 2045-2013, ANSI/CTA 2045 Amendment 1-2014)

The new project entails modifying the current published version of ANSI/CTA 2045 to include Amendment 1, address clarification issues that have been identified in the field, reorganized the data-link layer, and add new features and functions. ANSI/CTA 2045 specifies a modular communications interface (MCI) to facilitate communications with residential devices for applications such as energy management. The MCI provides a standard interface for energy management signals and messages to reach devices.

NOTE: The R7.8 MCI Committee is particularly interested in adding new members who acquire products that connect to demand-response systems and/or home networking systems from those who build a modular communication interface into their products (called "users"), and those companies and individuals who have a general interest in the technology.

Single copy price: \$183.00

Obtain an electronic copy from: standards@cta.tech

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

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

NENA (National Emergency Number Association)

New Standard

BSR/NENA STA-019.1-201X, NG9-1-1 Call Processing Metrics Standard (new standard)

Work will standardize NG9-1-1 call processing metrics. The term "metric" here means a timespan between two steps in call processing, and "call processing" incorporates all steps related to processing and handling a call from the moment it enters the first ESInet until the call is terminated – including steps that involve activities like querying databases and choosing and applying routing rules. These standardized metrics would drive both monitoring and reporting functions, and standardizing them will make functional comparisons more reliable. Common metrics like time in queue, answer time, hold time, and total call duration would be examples. Average metrics like average time to answer, or average total call duration would be examples also. Measurements specific to NG9-1-1, like "ECRF processing time", or "Total LoST query time" would be other examples. To participate in this development work contact Michael Smith at msmith@dssc corp.com.

Single copy price: Free

Obtain an electronic copy from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=12575&wg_abbrev=asc-call-processing-metrics

Order from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=12575&wg_abbrev=asc-call-processing-metrics

Send comments (with copy to psa@ansi.org) to: Submit comments by going to https://dev.nena.org/higherlogic/ws/public/document?document_id=12575&wg_abbrev=asc-call-processing-metrics and select "Add A Comment."

NENA (National Emergency Number Association)

New Standard

BSR/NENA STA-027.3-201x, NENA E9-1-1 PSAP Equipment Standard (new standard)

The existing E9-1-1 PSAP Equipment Standard, NENA 04-001 was examined and found to be inaccurate and out of date in some respects. Some references have changed and need to be corrected. Some specifications may be outdated and/or incorrect. This standard is expected to be in use for the foreseeable future.

Single copy price: Free

Obtain an electronic copy from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=12576&wg_abbrev=asc-docrvw-wg

Order from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=12576&wg_abbrev=asc-docrvw-wg

Send comments (with copy to psa@ansi.org) to: Submit comments by going to https://dev.nena.org/higherlogic/ws/public/document?document_id=12576&wg_abbrev=asc-docrvw-wg and select "Add A Comment."

NISO (National Information Standards Organization)**Reaffirmation**

BSR/NISO/LBI Z39.78-2000 (R201x), Library Binding (reaffirmation of ANSI/NISO/LBI Z39.78-2000 (R2010))

Binding is the first line of defense in library preservation and can be a major part of a library's preservation budget. This standard describes the technical specifications and materials to use for first-time hardcover binding of serials and paperbound books intended for the rigors of library use. It also covers rebinding of hardcover books and serials. Following this standard will give you volumes that are sturdy, durable, and flexible. Since the standard was last updated in 2000, the Library Binding Institute, the co-developer of the standard, has undergone corporate changes, and is now known as Library Binding Committee of the Book Manufacturers' Institute.

Single copy price: \$45.00

Obtain an electronic copy from: <http://www.niso.org/contact/>

Order from: Nettie Lagace, (301) 654-2512, nlagace@niso.org

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

NSF (NSF International)**New Standard**

BSR/NSF 358-4-201x (i1r2), Polyethylene of Raised Temperature (PE-RT) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (new standard)

The physical and performance requirements in this Standard apply to plastic piping system components as well as non-plastic components of the ground loop heat exchanger including but not limited to polyethylene of raised temperature (PE-RT) pipes and fittings used in water-based ground-source heat pump systems. This standard does not cover refrigerant-based ground-loop heat exchangers such as direct expansion (DX) systems. This Standard does not cover hydronic heating or cooling systems within buildings.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/org/workgroup/plastics_rv_jc/download.php/40838/358-4i1r2%20JC%20Memo%20and%20Ballot.pdf

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

NSF (NSF International)**Revision**

BSR/NSF 49-201x (i117r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

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

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/40869/49i117r1%20and-or%20update%20-%20TC%20Memo%20and%20Ballot.pdf

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

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

BSR/UL 1316-201x, Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids (new standard)

New Joint Standard between UL 1316 and CAN/ULC-S615. This Standard sets forth minimum design and construction requirements for fibre-reinforced plastic, non-pressure tanks that are used for the underground storage of flammable and combustible liquids, such as: (A) Petroleum products, including petroleum hydrocarbon fuels with low bio-blends, per specifications, and similar flammable or combustible liquid petroleum derivatives, such as fuel components (cetane, hexane, heptane), and oils (lubricating, hydraulic, machine); (B) Oxygenated fuel blends, including all "petroleum product" liquids; plus petroleum hydrocarbon fuels with low-biofuels blends; (C) Oxygenates, including all "petroleum product" and "oxygenated fuel blends" liquids; plus pure/denatured or highest oxygenated blend stocks for use in mixing of dispensed lower fuel-blends and components, such as biodiesel and ethanol; and (D) Other flammable and combustible liquids (for which the test fuels in Appendix A are not considered to be sufficient or applicable) that can be demonstrated or determined to be compatible with the reinforced plastic underground tank materials as determined by the certifier.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Caitlin D'Onofrio, (613) 368-4430, caitlin.donofrio@ul.com

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

BSR/UL 1008-201X, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2015)

(1) Revision to add recreational vehicle transfer switches to the scope of UL 1008; (2) Revisions to address the grounding and bonding of neutral circuits; (3) Revision to the overload, endurance, and short-circuit testing; (4) Miscellaneous revisions regarding inlet assemblies, mechanical interlocking of single-pole inlets and readily accessible service disconnect switches; (5) Revisions regarding the use of "circuit-breaker-based" transfer switches and compliance with service disconnecting requirements; (6) Revision for consistency with UL 50E Rain Test; (7) Revisions to Annex E to cover freestanding complete packaged fire pump power transfer units; (8) Revisions to address system available fault calculations for momentary paralleling situations; (9) Clarification of marking requirements; (10) Revised requirements for monitoring the temperature on inlets.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

Comment Deadline: March 20, 2018

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME A17.7/CSA B44.7-2006 (R201x), Performance Based Safety Code for Elevators and Escalators (reaffirmation of ANSI/ASME A17.7/CSA B44.7-2006 (R2012))

This Code covers the design, construction, operation, inspection, testing, maintenance, alteration, and repair of the following equipment and its associated parts, rooms, spaces, and hoistways, where located in or adjacent to a building or structure:

- (a) Hoisting and lowering mechanisms, equipped with a car, that move between two or more landings. This equipment includes, but is not limited to, elevators (see 1.3);
- (b) Power-driven stairways and walkways for carrying persons between landings. This equipment includes, but is not limited to, escalators and moving walks (see 1.3); and
- (c) Hoisting and lowering mechanisms, equipped with a car, that serve two or more landings and are restricted to the carrying of material by their limited size or limited access to the car. This equipment includes, but is not limited to, dumbwaiters and material lifts (see 1.3).

Single copy price: \$155.00

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

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

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME PTC 36-201x, Measurement of Industrial Sound (revision of ANSI/ASME PTC 36-2004 (R2013))

The scope of this Code includes measurement procedures in a variety of acoustical environments, including outdoor settings influenced by background noise. Generally, sound pressure levels and/or sound power levels in prescribed frequency bands are used to quantify the sound emission of industrial equipment and facilities. Sound pressure level measurements or sound intensity measurements obtained using the procedures of this Code may be used to calculate sound power level.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: April Amaral, AmaralA@asme.org

Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

ASSE (ASC A10) (American Society of Safety Engineers)

BSR/ASSE A10.29-200x, Safe Practices for the Use of Aerial Platforms in Construction (new standard)

Inquiries may be directed to Tim Fisher, (847) 768-3411, TFisher@ASSE.org

ASTM (ASTM International)

BSR/ASTM WK34709-201x, New Test Method for Determining the Cleaning Efficacy of Floor Cleaning Steam Appliances (new standard)

Call for Members (ANS Consensus Bodies)

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

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Phone: (212) 591-8521

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME BPVC Section IV-201x, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2017)

BSR/ASME BPVC Section XII-201x, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2017)

ASQ (ASC Z1) (American Society for Quality)

Office: 600 N Plankinton Ave
Milwaukee, WI 53203

Contact: *Julie Sharp*

Phone: (414) 272-8575

E-mail: standards@asq.org

BSR/ASQ ISO 9004-201x, Quality management - Quality of an organization Guidance to achieve sustained success (identical national adoption of ISO 9004:2018 and revision of ANSI/ISO/ASQ Q9004-2009)

BSR/ASQ ISO 10006-201x, Quality management - Guidelines for quality management in projects (identical national adoption of ISO 10006:2017 and revision of ANSI ISO/ASQ Q10006-2003)

BSR/ASQ ISO 10007-201x, Quality management - Guidelines for configuration management (identical national adoption of ISO 10007:2017 and revision of ANSI/ISO/ASQC Q10007-2003)

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Tim Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE ISO 45001-201X, Occupational Health and Safety Management Systems Requirements with Guidance for Use (identical national adoption of ISO 45001)

BIFMA (Business and Institutional Furniture Manufacturers Association)

Office: 678 Front Ave. NW
Grand Rapids, MI 49504

Contact: *David Panning*

Phone: (616) 980-9798

Fax: (616) 285-3765

E-mail: dpanning@bifma.org

BSR/BIFMA X6.1-201X, Educational Seating (revision of ANSI/BIFMA X6.1-2012)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

BSR/CTA 2045-A-201x, Modular Communications Interface for Energy Management (revision, redesignation and consolidation of ANSI/CTA 2045-2013, ANSI/CTA 2045 Amendment 1-2014)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: *Leslie Schraff*

Phone: (216) 241-7333

Fax: (216) 241-0105

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 17-1-201x, Standard for Production Testing of Sanitary Pressure Regulators (new standard)

FM (FM Approvals)

Office: 1151 Boston-Providence Turnpike
Norwood, MA 02062

Contact: *Josephine Mahnken*

Phone: (781) 255-4813

Fax: (781) 762-9375

E-mail: josephine.mahnken@fmapprovals.com

BSR/FM 5700-201x, Explosion Suppression Systems (new standard)

LES (Licensing Executives Society (U.S. and Canada))

Office: 11130 Sunrise Valley Dr. Suite 350
Reston, VA 20191

Contact: *Tanya Coogan*

Phone: (703) 234-4109

Fax: (703) 234-4109

E-mail: tcoogan@les.org

BSR/LES-CLIP 1.1-201x, Conduct in Licensing of Intellectual Property
(new standard)

BSR/LES-IABR 1.1-201x, Intellectual Assets in the Boardroom (new
standard)

NENA (National Emergency Number Association)

Office: 1700 Diagonal Road
Suite 500
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E-mail: rhixson@nena.org

BSR/NENA STA-017.1-201X, Changing Role of the Telecommunicator
in the NG9-1-1 Environment (new standard)

NSF (NSF International)

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

Contact: *Allan Rose*

Phone: (734) 827-3817

Fax: (734) 827-7875

E-mail: arose@nsf.org

BSR/NSF 49-201x (i117r1), Biosafety Cabinetry: Design, Construction,
Performance, and Field Certification (revision of ANSI/NSF 49-2016)

BSR/NSF 358-4-201x (i1r2), Polyethylene of Raised Temperature (PE-
RT) Pipe and Fittings for Water-Based Ground-Source (Geothermal)
Heat Pump Systems (new standard)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 205 sp-201x, Forming handsheets for physical tests of
pulp (new standard)

BSR/TAPPI T 271 om-2012 (R201x), Fiber length of pulp and paper by
automated optical analyzer using polarized light (reaffirmation of
ANSI/TAPPI T 271 om-2012)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: *Megan Monsen*

Phone: (847) 664-1292

E-mail: megan.monsen@ul.com

BSR/UL 969-201X, Standard for Safety for Marking and Labeling
Systems (revision of ANSI/UL 969-2017)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI ST40-2004 (R2018), Table-top dry heat (heated air) sterilization and sterility assurance in health care facilities (reaffirmation of ANSI/AAMI ST40-2004 (R2010)): 1/12/2018

ANSI/AAMI ST50-2004 (R2018), Dry heat (heated air) sterilizers (reaffirmation of ANSI/AAMI ST50-2004 (R2010)): 1/12/2018

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 58.3-1992 (R2018), Physical Protection for Nuclear Safety-Related Systems and Components (reaffirmation of ANSI/ANS 58.3-1992 (R1998)): 1/10/2018

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME A112.14.3-2018, Hydromechanical Grease Interceptors (revision of ANSI/ASME A112.14.3-2000 (R2014)): 1/10/2018

ASTM (ASTM International)

New Standard

ANSI/ASTM E3134-2017, Specification for Transportation Tunnel Structural Components and Passive Fire Protection Systems (new standard): 12/26/2017

AWS (American Welding Society)

Revision

ANSI/AWS A5.2/A5.2M-2018, Specification for Carbon and Low-Alloy Steel Rods for Oxyfuel Gas Welding (revision of ANSI/AWS A5.2/A5.2M-2007): 1/10/2018

CSA (CSA Group)

Reaffirmation

ANSI/CSA Z741-2012 (R2018), Geological Storage of Carbon Dioxide (reaffirmation of ANSI/CSA Z741-2012): 1/12/2018

Revision

* ANSI Z21.58-2018, Outdoor Cooking Gas Appliances (same as CSA 1.6-201x) (revision of ANSI Z21.58-2015): 1/10/2018

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

Revision

ANSI N42.54-2018, Draft Standard for Instrumentation and Systems for Monitoring Airborne Radioactivity (revision and partition of ANSI N42.18-2004, N42.17B, ANSI N42.18, ANSI N42.30, ANSI N323C): 1/10/2018

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

Reaffirmation

INCITS 468-2010/AM1-2012 [R2017], Information technology - Multimedia Command Set - 6 (MMC-6) - Amendment 1 (reaffirmation of INCITS 468-2010/AM1-2012): 12/29/2017

INCITS 497-2012 [R2017], Information Technology - Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012): 12/29/2017

Stabilized Maintenance

INCITS 360-2002 [S2017], Information Technology - SCSI Multimedia Commands - 3 (MMC-3) (stabilized maintenance of INCITS 360-2002 [R2012]): 12/29/2017

INCITS 424-2007 [S2017], Information technology - Fibre Channel Framing and Signaling - 2 (FC-FS-2) (stabilized maintenance of INCITS 424-2007 [R2012]): 12/29/2017

INCITS 430-2007 [S2017], Information technology - Multi-Media Commands - 5 (MMC-5) (stabilized maintenance of INCITS 430-2007 [R2012]): 12/29/2017

INCITS 374:2003/AM1:2007 [S2017], Information technology - Fibre Channel Single - Byte Command Set-3 (FC-SB-3) - Amendment 1 (stabilized maintenance of INCITS 374:2003/AM1:2007 [R2012]): 12/29/2017

INCITS/ISO/IEC 14165-414:2007 [S2017], Information technology - Fibre Channel Generic Services-4 (FC-GS-4) (stabilized maintenance of INCITS/ISO/IEC 14165-414:2007 [R2012]): 12/29/2017

NACE (NACE International, The Worldwide Corrosion Authority)

Revision

ANSI/NACE SP0508-2017, Methods of Validating Equivalence to ISO 8502-9 on Measurement of the Levels of Soluble Salts (revision of ANSI/NACE SP0508-2010): 1/10/2018

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 1982-2017, Standard on Personal Alert Safety Systems (PASS) (revision of ANSI/NFPA 1982-2012): 12/26/2017

NSF (NSF International)

Revision

- * ANSI/NSF 14-2017 (i87r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2016): 12/24/2017
- * ANSI/NSF 350-1-2017 (i7r1), Onsite residential and commercial greywater treatment systems for subsurface discharge (revision of ANSI/NSF 350-1-2012): 12/22/2017
- * ANSI/NSF 350-2018 (i23r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2014): 1/2/2018
- * ANSI/NSF 350-2018 (i24r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017): 1/3/2018

- * ANSI/NSF 350-2018 (i25r1), Onsite residential and commercial water reuse treatment systems (revision of BSR/NSF 350-201x (i25r1)): 1/5/2018
- * ANSI/NSF 359-2018 (i3r1), Valves for Crosslinked Polyethelene (PEX) Water Distribution Tubing Systems (revision of ANSI/NSF 359-2016): 1/5/2018

UL (Underwriters Laboratories, Inc.)

Reaffirmation

- ANSI/UL 109-2009 (R2018), Standard for Safety for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use (reaffirmation of ANSI/UL 109-2009 (R2013)): 1/11/2018
- ANSI/UL 551-2009 (R2018), Standard for Safety for Transformer-Type Arc-Welding Machines (reaffirmation of ANSI/UL 551-2009 (R2013)): 1/3/2018
- ANSI/UL 561-2011 (R2018), Standard for Safety for Floor Finishing Machines (reaffirmation of ANSI/UL 561-2011): 1/9/2018
- * ANSI/UL 1618-2009 (R2018), Standard for Safety for Wall Protectors, Floor Protectors, and Hearth Extensions (reaffirmation of ANSI/UL 1618-2009 (R2013)): 1/10/2018
- ANSI/UL 2218-2012 (R2018), Standard for Safety for Impact Resistance of Prepared Roof Covering Materials (reaffirmation of ANSI/UL 2218-2012): 1/12/2018
- ANSI/UL 6420-2012 (R2018), Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit (reaffirmation of ANSI/UL 6420-2012): 1/8/2018

Revision

- ANSI/UL 125-2018, Standard for Safety for Flow Control Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 125-2014): 1/11/2018
- ANSI/UL 132-2018, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 132-2016): 1/11/2018
- ANSI/UL 132-2018a, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 132-2016): 1/11/2018
- ANSI/UL 486F-2018, Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2015): 1/12/2018
- ANSI/UL 698A-2018, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (Proposal dated 06-16-17) (revision of ANSI/UL 698A-2012 (R2016)): 1/5/2018
- ANSI/UL 834-2018, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric (revision of ANSI/UL 834-2013): 1/10/2018
- * ANSI/UL 1286-2018, Standard for Office Furnishings (revision of ANSI/UL 1286-2014): 1/4/2018
- * ANSI/UL 2738-2018, Standard for Safety for Induction Power Transmitters and Receivers for use with Low Energy Products (revision of ANSI/UL 2738-2013): 1/10/2018

Project Initiation Notification System (PINS)

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

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

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

ADA (American Dental Association)

Contact: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA Standard No. 2000.2-201x, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.1-2017)

Stakeholders: Dental care providers, healthcare and research organizations, government agencies, dental schools and clinics, and dental benefit providers and organizations.

Project Need: SNODENT provides a needed standardized code set for the representation of clinical oral health descriptions captured by dentists that is interoperable across healthcare systems and with electronic health records systems. It is revised annually to maintain currency with dental terminology.

SNODENT is a clinical terminology designed for use with electronic health records that enable the capture and analysis of detailed oral health data, including oral anatomical sites, oral health conditions, findings, and other clinical concepts unique to dentistry.

APT (ASC CGATS) (Association for Print Technologies)

Contact: Debra Orf, (703) 264-7200, dorf@npes.org

BSR CGATS.5-201x, Graphic technology - Spectral measurement and colorimetric computation for graphic arts images (identical national adoption of ISO 13655-2017 and revision of ANSI CGATS.5-2009)

Stakeholders: Manufacturers of graphic arts image measurement equipment and users of the equipment.

Project Need: Provide standardized means for the measurement and computation of the colorimetric characteristics of graphic arts images to allow valid and comparable data to be obtained.

This document specifies procedures for the measurements and colorimetric computations appropriate to objects that reflect, transmit and emit light, such as flat-panel displays. It also specifies procedures for computation of colorimetric parameters for graphic arts images. Graphic arts include, but are not limited to, the preparation of material for, and volume production by, production printing processes that include offset lithography, letterpress, flexography, gravure, screen, and digital printing. This document does not address spectral measurements appropriate to other specific application needs, such as those used during the production of materials, for example, printing paper and proofing media.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: *Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org*

BSR X9.141-201x, Financial and Personal Data Protection and Breach Notification Standard (new standard)

Stakeholders: All organizations that handle sensitive consumer payment information and customer-identifiable information including: Financial institutions, credit bureaus, merchants/retailers, consumers, application manufacturers, service providers, and security professionals.

Project Need: This standard is intended to ensure all entities that handle sensitive financial data and PII have in place a robust process to protect this data and prevent breaches from happening. This standard should apply to all organizations that handle sensitive payment information and it would provide a consistent breach notification process to protect consumers and other stakeholders nationwide. Our existing payment systems serves hundreds of millions of consumers, retailers, financial institutions, and the economy well. Protecting the U.S. payment systems is a shared responsibility of all parties involved. We must work together and invest the necessary resources to combat increasingly sophisticated threats to the payments system.

This standard should:

- Ensure all entities that transmit, process, or store sensitive financial data (including customer-identifiable information) are required to identify, classify, and protect this sensitive data using consistent, standard security requirements developed in an open consensus environment;
- Ensure all entities that transmit, process, or store sensitive financial data (including customer-identifiable information) are required to implement standard measures to detect and prevent attempted data breaches;
- Ensure entities that transmit, process, or store sensitive financial data (including customer-identifiable information) are required to notify customers and other impacted parties when breaches occur;
- Ensure all entities that transmit, process, or store sensitive financial data (including customer-identifiable information) are required to take standard corrective actions whenever breaches occur.

This standard should also provide a consistent breach notification process to protect customers and other stakeholders nationwide. We must work together and invest the necessary resources to combat increasingly sophisticated threats.

ASQ (ASC Z1) (American Society for Quality)

Contact: *Julie Sharp, (414) 272-8575, standards@asq.org*

BSR/ASQ ISO 9004-201x, Quality management - Quality of an organization - Guidance to achieve sustained success (identical national adoption of ISO 9004:2018 and revision of ANSI/ISO/ASQ Q9004-2009)

Stakeholders: Industry, academia, government, and general interest.

Project Need: Recent revision of ISO 9004 requires an update of the identical American National Standard.

Gives guidelines for enhancing an organization's ability to achieve sustained success. This guidance is consistent with the quality management principles given in ISO 9000:2015. This document provides a self-assessment tool to review the extent to which the organization has adopted the concepts in this document. This document is applicable to any organization, regardless of its size, type, and activity.

BSR/ASQ ISO 10006-201x, Quality management - Guidelines for quality management in projects (identical national adoption of ISO 10006:2017 and revision of ANSI ISO/ASQ Q10006-2003)

Stakeholders: Industry, academia, government, and general interest.

Project Need: Recent revision of ISO 10006 requires update to the American National Standard.

Gives guidelines for the application of quality management in projects. It is applicable to organizations working on projects of varying complexity, small or large, of short or long duration, being an individual project to being part of a program or portfolio of projects, in different environments, and irrespective of the kind of product/service or process involved, with the intention of satisfying project-interested parties by introducing quality management in projects. This can necessitate some tailoring of the guidance to suit a particular project. It is not a guide to project management itself. Guidance on quality in project management processes is presented in this document. Guidance on project management and related processes is covered in ISO 21500. This document addresses the concepts of both "quality management in projects" and "quality management systems in projects".

BSR/ASQ ISO 10007-201x, Quality management - Guidelines for configuration management (identical national adoption of ISO 10007:2017 and revision of ANSI/ISO/ASQC Q10007-2003)

Stakeholders: Industry, academia, government, and general interest.

Project Need: Recent revision of ISO 10007 requires update to the American National Standard.

Provides guidance on the use of configuration management within an organization. It is applicable to the support of products and services from concept to disposal.

ASSE (Safety) (American Society of Safety Engineers)

Contact: *Tim Fisher, (847) 768-3411, TFisher@ASSE.org*

BSR/ASSE ISO 45001-201X, Occupational Health and Safety Management Systems Requirements with Guidance for Use (identical national adoption of ISO 45001)

Stakeholders: Occupational Safety and Health professionals or those individuals and organizations implementing occupational health and safety management systems.

Project Need: Given the pending worldwide adoption of ISO 45001 and its impact on health and safety management practices, including those organizations in the U.S., it is important for the U.S. to adopt the proposed standard.

This document specifies requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance. This document is applicable to any organization that wishes to establish, implement, and maintain an OH&S management system to improve occupational health and safety, eliminate hazards and minimize OH&S risks (including system deficiencies), take advantage of OH&S opportunities, and address OH&S management system non-conformities associated with its activities.

AWS (American Welding Society)

Contact: *Rakesh Gupta, (305) 443-9353, x 301, gupta@aws.org*

BSR/AWS A5.02/A5.02M-201x, Specification for Filler Metal Standard Sizes, Packaging, and Physical Attributes (new standard)

Stakeholders: Filler metal manufacturers.

Project Need: Welding industry needs standardization of filler metals' packaging.

This specification prescribes the requirements for standard sizes and packages of all types of welding filler metals, allowing these physical attributes to be incorporated by reference into the individual specification. The annex lists the manner by which the filler metal specification may refer to appropriate requirements in this specification.

BSR/AWS A5.17/A5.17M-201x, Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding (new standard)

Stakeholders: Manufacturers and consumers for carbon steel electrodes and fluxes for SMAW.

Project Need: We need to standardize the requirements of carbon steel electrodes and fluxes for SMAW.

This specification provides requirements for the classification of solid and composite carbon steel electrodes and fluxes for submerged arc welding. Electrode classification is based on chemical composition of the electrode for solid electrodes, and chemical composition of the weld metal for composite electrodes. Flux classification is based on the mechanical properties of weld metal produced with the flux and an electrode classified in this standard. Other requirements include sizes, marking, manufacturing, and packaging. The form and usability of the flux are also included.

FCI (Fluid Controls Institute)

Contact: *Leslie Schraff, (216) 241-7333, fci@fluidcontrolsintitute.org*

BSR/FCI 17-1-201x, Standard for Production Testing of Sanitary Pressure Regulators (new standard)

Stakeholders: Manufacturers, inspectors, users, and specifiers of sanitary pressure regulators.

Project Need: The industry needs a standard to specify the production testing of sanitary pressure regulators to ensure testing of atmospheric leak tightness and seat leakage are completed at the factory before shipment.

This standard establishes minimum guidelines for production testing of sanitary pressure regulators for use by manufacturers, specifiers, inspectors, and users to ensure testing of atmospheric leak tightness and seat leakage are completed at the factory before shipment.

FM (FM Approvals)

Contact: *Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com*

BSR/FM 5700-201x, Explosion Suppression Systems (new standard)

Stakeholders: Any industrial facility utilizing closed vessels containing combustible dust hazards, such as dust collectors and process vessels. Additionally, the manufacturers of the explosion suppression systems will be directly impacted.

Project Need: To protect vessels containing combustible dust hazards from explosions caused by deflagration by detection and suppression at the incipient stage of the explosion.

This standard applies to the design, construction, operation, maintenance, and testing of explosion suppression systems, which are designed to detect an incipient deflagration and suppress it in order to prevent the full impact of the deflagration from developing. Typically these systems consist of four basic components: the detector(s), a control unit, suppressant storage container(s), and suppressant dispersers. An explosion is detected in the incipient stage, either by a rise in pressure or the presence of flame within the protected enclosure. The control unit then actuates the suppressant dispersers to envelop and arrest the explosion.

HL7 (Health Level Seven)

Contact: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

BSR/HL7 V3 DSS, R2-201x, HL7 Version 3 Standard: Decision Support Services, Release 2 (revision and redesignation of ANSI/HL7 V3 DSS, R1-2011)

Stakeholders: Clinical and public health laboratories, immunization registries, quality reporting agencies, regulatory agency, standards development organizations (SDOs), payers.

Project Need: The project is needed to (i) address issues identified in the current release of the specification and to (ii) fulfill the requirements of the Health eDecisions initiative.

This revision to Release 1 of the standard will be formed in part by the requirements for a decision support service (also known as a clinical decision support guidance service) developed by the Standards and Interoperability Framework's Health eDecisions Initiative. Anticipated enhancements include support for Representational State Transfer (REST) and other improvements, based on experience with using Release 1 of the standard.

BSR/HL7 vMR CDSL, R2-201x, HL7 Virtual Medical Record for Clinical Decision Support (vMR-CDS) Logical Models, Release 2 (new standard)

Stakeholders: Clinical and public health laboratories, immunization registries, quality reporting agencies, regulatory agency, standards development organizations (SDOs), payers.

Project Need: The project is needed to address issues identified through (i) pilot use of Release 2 informative specification and (ii) ongoing efforts to better align HL7 standards related to quality measurement and CDS.

The vMR is a data model for representing the data that are analyzed and/or produced by CDS engines. This specification defines a logical model of the vMR using the Unified Modeling Language (UML). The vMR Logical Model can be further constrained through vMR templates. Furthermore, physical models derived from the logical model are defined through additional specifications.

IKECA (International Kitchen Exhaust Cleaning Association)

Contact: Elizabeth Franks, (215) 320-3876, information@ikeca.org

BSR/IKECA M-10-201x, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (new standard)

Stakeholders: Adherence to this standard shall be maintained by persons familiar with cooking operations, related equipment, and processes. The authorities having jurisdiction (AHJs), insurance underwriters, installers, maintainers, designers, inspectors, specifiers, operators, and food service establishments shall use this standard to ensure compliance and alignment with applicable codes and requirements for system cleanliness and fire safety.

Project Need: To enhance public safety by reducing the potential fire safety hazards associated with commercial kitchen exhaust systems, irrespective of the type of cooking equipment used and whether used in public or private facilities.

This standard is to define acceptable methods to operate and maintain commercial kitchen exhaust systems by end users in the interim between professional system cleaning services. It applies to, but is not limited to, Type I exhaust systems as defined by NFPA 96 (NFPA 96, A.3.3.33). This standard does not apply to residential kitchen exhaust systems, replacement air systems, heating and air-conditioning systems, dryer exhaust systems, and toilet exhaust systems.

LES (Licensing Executives Society (U.S. and Canada))

Contact: Tanya Coogan, (703) 234-4109, tcoogan@les.org

BSR/LES-CLIP 1.1-201x, Conduct in Licensing of Intellectual Property (new standard)

Stakeholders: Intellectual property owners, implementers, and prospective implementers of intellectual property, and intermediaries, including all entities and individuals in the IP management community.

Project Need: Intellectual property is a significant and growing segment of the economy of the United States and is characterized by divergent and sometimes inefficient transactional practices that create unfairness and/or inefficiency. Transactions involving the licensing of intellectual property will be completed more efficiently when owners of intellectual property, prospective licensees of intellectual property, and licensing professionals are guided by standards of conduct directed to the negotiation and completion of such transactions.

This LES standard will prescribe the business processes and conduct to be adopted and performed by persons in the intellectual property management community for negotiating and completing transactions involving the licensing of intellectual property. The standard will apply to the licensing of intellectual property of all types, i.e., copyright, trademark, patents, and trade secrets. The business processes and conduct to be prescribed in the standard will be applicable to businesses and individuals participating in the pursuit of or engaged in the negotiation of an intellectual property transaction and persons associated with those participants who provide information and/or services that are material to decisions whether and in what manner to continue to engage in the licensing transaction, together with the people associated with a participant who participate in making said decisions. It is anticipated that the adoption of this standard will, among other things, encourage efficiency and reduce time-to-licensing, expedite the commercialization of newly developed technologies, and facilitate the settlement or avoidance of intellectual property litigation.

BSR/LES-IABR 1.1-201x, Intellectual Assets in the Boardroom (new standard)

Stakeholders: This standard is intended to be applicable to all organizations in a wide variety of business sectors, regardless of type, size, geographic location, industry sector, products, or services provided.

Project Need: LES is establishing this standard for the purpose of achieving significant improvements in corporate board of director oversight of Intangible Asset (IA) value and IA risk, in order to enable boards to better preserve and enhance shareholder value. The purpose of this consensus-based standard is to establish principles, processes, and/or tools for boards to ensure that they receive “material” information (in both content and form), to allow directors to make informed strategic decisions related to IA.

This standard intends to provide the premise for the need for adequate board oversight of IA management in order to (a) maximize the shareholder value of the company’s IA and (b) mitigate the risks to which the company may be exposed based on the unlicensed use of third-party IA. The standard intends to identify key principles central to adequate board IA oversight. The standard intends to identify practices and/or processes for adequate board IA strategic oversight of senior corporate management. The standard intends to identify materials and/or tools sufficient to educate boards and better enable them to implement these principles and processes, which are intended to enhance IA value and mitigate IA risk in manners consistent with this standard. This standard does not intend to proscribe sources or methods that are singularly required to achieve the standard, but rather to enable a variety of pathways to meet the requirements (and various recommendations) of the standard.

NENA (National Emergency Number Association)

Contact: Roger Hixson, (202) 618-4405, rhixson@nena.org

BSR/NENA STA-017.1-201X, Changing Role of the Telecommunicator in the NG9-1-1 Environment (new standard)

Stakeholders: Telecommunicators, 911 supervisors and managers, human resources professionals associated with 9-1-1 agencies; 9-1-1 training and education institutions; field emergency responders; producers, users, general interest.

Project Need: The creation of an ANSI accredited NENA Standard Document entitled: NG9-1-1 and The Telecommunicator. This would be a resource for all those involved in 9-1-1 to identify just how NG9-1-1 will impact front-line telecommunicators and what actions PSAP Managers and other stakeholders need to take in order to ensure that their personnel can be effective in the NG9-1-1 PSAP.

The continuing implementation of NG9-1-1 will result in significant impacts on Telecommunicators and other 9-1-1 professionals. The 9-1-1 community is in need of guidance on what these impacts will be so that they may begin related planning efforts. Examples of the changes they will need to address include: changes in job qualifications; changes in job skills, knowledge and abilities; and potential changes in stress-related impacts, among many others. In addition, the very nature of the job of a 9-1-1 telecommunicator may change as they become involved with data and sensor analysis and interpretation. Together, this information will help not only the current managers and leaders in the field as they prepare for impacts on telecommunicators, but also human resources professionals, educators, and individuals interested in the profession. To join this WG go to https://www.nena.org/page/TC_ChangingRole and complete the volunteer form.

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 205 sp-201x, Forming handsheets for physical tests of pulp (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise it if needed to address new technology or correct errors.

This procedure describes a method of forming test handsheets at an oven dry weight of 60 g/m² for determining the physical properties of pulp for both unrefined and refined pulps. Appendix B describes a modified procedure for making heavier weight sheets for pulps intended for use in paperboard manufacture.

BSR/TAPPI T 271 om-2012 (R201x), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to determine if a revision is needed to address new technology or correct errors.

This is an automated method by which the numerical and weighted average fiber lengths and fiber length distributions of pulp and paper can be measured using light-polarizing optics in the range of 0.1 mm to 7.2 mm.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAFS American Academy of Forensic Sciences 4200 Wisconsin Ave, NW Suite 106-310 Washington, DC 20016 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>FCI Fluid Controls Institute 1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Fax: (216) 241-0105 Web: www.fluidcontrolsinstitute.org</p>	<p>NENA National Emergency Number Association 1700 Diagonal Road Suite 500 Alexandria, VA 22314 Phone: (202) 618-4405 Web: www.nena.org</p>
<p>AAMI Association for the Advancement of Medical Instrumentation 4301 N. Fairfax Dr., Suite 301 Arlington, VA 22203 Phone: (703) 253-8284 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASQ (ASC Z1) American Society for Quality 600 N Plankinton Ave Milwaukee, WI 53203 Phone: (414) 272-8575 Web: www.asq.org</p>	<p>FM FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062 Phone: (781) 255-4813 Fax: (781) 762-9375 Web: www.fmglobal.com</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 Phone: (617) 984-7246 Web: www.nfpa.org</p>
<p>ABMA (ASC B3) American Bearing Manufacturers Association 330 N. Wabash Avenue Suite 2000 Chicago, IL 60611 Phone: (919) 481-2852 Fax: (919) 827-4587 Web: www.americanbearings.org</p>	<p>ASSE (Safety) American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>NISO National Information Standards Organization 3600 Clipper Mill Road Suite 302 Baltimore, MD 21211 Phone: (301) 654-2512 Fax: (410) 685-5278 Web: www.niso.org</p>
<p>ADA (Organization) American Dental Association 211 East Chicago Avenue Chicago, IL 60611-2678 Phone: (312) 587-4129 Fax: (312) 440-2529 Web: www.ada.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>IEEE (ASC C63) Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3874 Web: standards.ieee.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: www.nsf.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>AWS American Welding Society 8669 NW 36th Street # 130 Miami, FL 33166 Phone: (305) 443-9353, x 301 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>IKECA International Kitchen Exhaust Cleaning Association Phone: (215) 320-3876 Web: www.ikeca.org</p>	<p>TAPPI Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Peachtree Corners, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: www.tappi.org</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>BIFMA Business and Institutional Furniture Manufacturers Association 678 Front Ave. NW Grand Rapids, MI 49504 Phone: (616) 980-9798 Fax: (616) 285-3765 Web: www.bifma.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5737 Web: www.incits.org</p>	<p>UL Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 Phone: (613) 368-4430 Web: www.ul.com</p>
<p>APT (ASC CGATS) The Association for Print Technologies 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: www.npes.org</p>	<p>CSA CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>LES Licensing Executives Society (U.S. and Canada) 11130 Sunrise Valley Dr. Suite 350 Reston, VA 20191 Phone: (703) 234-4109 Fax: (703) 234-4109 Web: www.les.org</p>	<p>NACE NACE International, The Worldwide Corrosion Authority 15835 Park Ten Place Houston, TX 77084 Phone: (281) 228-6485 Web: www.nace.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.cta.tech</p>		



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on 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

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 16355-3, Applications of statistical and related methods to new technology and product development process - Part 3: Quantitative approaches for the acquisition of voice of customer and voice of stakeholder - 4/1/2018, \$125.00

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

ISO/DIS 18408, Concrete - Reinforced concrete and pre-stressed concrete - Simplified structural design guidelines for reinforced concrete wall buildings - 2/4/2018, \$146.00

ISO/DIS 21022, Test method for fibre-reinforced cementitious composites - Load-deflection curve using circular plates - 2/2/2018, \$46.00

CRYOGENIC VESSELS (TC 220)

ISO/DIS 20421-1, Cryogenic vessels - Large transportable vacuum-insulated vessels - Part 1: Design, fabrication, inspection and testing - 2/5/2018, \$175.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO/DIS 50045, Technical guidelines for evaluation of energy savings of thermal power plants - 4/6/2018, \$88.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14005, Environmental management systems - Guidelines for a flexible approach to phased implementation - 2/5/2018, \$98.00

FASTENERS (TC 2)

ISO/DIS 3506-1, Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1: Bolts, screws and studs with specified property classes - Coarse pitch thread and fine pitch thread - 2/2/2018, \$107.00

ISO/DIS 3506-2, Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: Nuts with specified property classes - Coarse pitch thread and fine pitch thread - 2/2/2018, \$93.00

ISO/DIS 3506-6, Mechanical properties of corrosion-resistant stainless steel fasteners - Part 6: Guidance for the selection of stainless steels and nickel alloys for fasteners - 2/2/2018, \$77.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 19745, Fertilizers and soil conditioners - Determination of crude (free) water content of ammoniated phosphate products - DAP, MAP - by gravimetric vacuum oven at 50°C - 2/1/2018, \$40.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO/DIS 30414, Human resource management - Guidelines for human capital reporting for internal and external stakeholders - 2/1/2018, \$107.00

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

ISO/DIS 10426-3, Petroleum and natural gas industries - Cements and materials for well cementing - Part 3: Testing of deepwater well cement formulations - 2/5/2018, \$33.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 19962, Optics and photonics - Spectroscopic measurement methods for integrated scattering by plane parallel optical elements - 4/8/2018, \$77.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 150, Raw, refined and boiled linseed oil for paints and varnishes - Specifications and methods of test - 2/2/2018, \$53.00

ISO/DIS 3681, Binders for paints and varnishes - Determination of saponification value - Titrimetric method - 2/2/2018, \$40.00

ISO/DIS 4629-3, Binders for paints and varnishes - Determination of hydroxyl value - Part 3: Rapid test - 2/2/2018, \$40.00

PLASTICS (TC 61)

ISO/DIS 21302-1, Plastics - Polybutene-1 (PB-1) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 4/6/2018, \$40.00

ISO/DIS 21302-2, Plastics - Polybutene-1 (PB-1) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 4/6/2018, \$40.00

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

ISO 10508/DAmD1, Plastics piping systems for hot and cold water installations - Guidance for classification and design - Amendment 1 - 2/4/2018, \$29.00

ISO/DIS 11296-7, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 7: Lining with spirally-wound pipes - 2/2/2018, \$71.00

PUMPS (TC 115)

ISO/DIS 20361, Liquid pumps and pumps units - Noise test code - Grades 2 and 3 of accuracy - 2/1/2018, \$88.00

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

ISO/DIS 24513, Activities relating to drinking water, wastewater and stormwater services - Vocabulary - 4/2/2018, \$146.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 13993, Rental ski shop practice - Sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications - 2/2/2018, \$67.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 14701, Surface chemical analysis - X-ray photoelectron spectroscopy - Measurement of silicon oxide thickness - 2/4/2018, \$71.00

ISO/DIS 16129, Surface chemical analysis - X-ray photoelectron spectroscopy - Procedures for assessing the day-to-day performance of an X-ray photoelectron spectrometer - 2/4/2018, \$71.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

IEC/DIS 81346-2,, \$155.00

THERMAL INSULATION (TC 163)

ISO/DIS 16478, Thermal insulation products for buildings - Vacuum insulation panels (VIP) - Products specification - 2/2/2018, \$107.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 21315, Traditional chinese medicine - Ganoderma lucidum fruiting body - 4/1/2018, \$62.00

ISO/DIS 21316, Traditional Chinese medicine - Isatis indigotica root - 4/1/2018, \$53.00

ISO/DIS 21370, Traditional Chinese medicine - Dendrobium officinale stem - 4/1/2018, \$71.00

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

ISO/DIS 8536-4, Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed - 4/8/2018, \$71.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 7289, Gas welding equipment - Quick-action couplings with shut-off valves for welding, cutting and allied processes - 2/5/2018, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 1539-1, Information technology - Programming languages - Fortran - Part 1: Base language - 4/2/2018, \$291.00

ISO/IEC DIS 20889, Information technology - Security techniques - Privacy enhancing data de-identification techniques - 2/4/2018, \$119.00

ISO/IEC DIS 21878, Information technology - Security techniques - Security guidelines for design and implementation of virtualized servers - 2/4/2018, \$82.00

ISO/IEC DIS 27050-2, Information technology - Security techniques - Electronic discovery - Part 2: Guidance for governance and management of electronic discovery - 2/5/2018, \$53.00

ISO/IEC DIS 19823-19, Information technology - Conformance test methods for security service crypto suites - Part 19: Crypto suite RAMON - 2/4/2018, \$67.00

ISO/IEC DIS 20000-10, Information technology - Service management - Part 10: Concepts and terminology - 4/1/2018, \$98.00

IEC Standards

C/2086/DV, Draft IEC Guide 120 Edition 1, Security Aspects - Guidelines for their inclusion in publications, 018/4/5/

13/1755/FDIS, IEC 62055-41 ED3: Electricity metering - Payment systems - Part 41: Standard transfer specification (STS) - Application layer protocol for one-way token carrier systems, 2018/2/23

14/947/FDIS, IEC 60076-3/AMD1 ED3: Amendment 1 - Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air, 2018/2/23

20/1781/FDIS, IEC 60331-1 ED2: Tests for electric cables under fire conditions - Circuit integrity - Part 1: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm, 2018/2/23

20/1782/FDIS, IEC 60331-3 ED2: Tests for electric cables under fire conditions - Circuit integrity - Part 3: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure, 2018/2/23

20/1784/FDIS, IEC 60754-3 ED1: Test on gases evolved during combustion of materials from cables - Part 3: Measurement of low level of halogen content by ion chromatography, 2018/2/23

20/1783/FDIS, IEC 60331-2 ED2: Tests for electric cables under fire conditions - Circuit integrity - Part 2: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20mm, 2018/2/23

21/952/CDV, IEC 62902 ED1: Secondary batteries: Marking symbols for identification of their chemistry, 018/4/6/

26/642/CDV, IEC 60974-14 ED1: Arc welding equipment - Part 14: Calibration, validation and consistency testing, 018/4/6/

31/1358/CDV, IEC 60079-31 ED3: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t", 018/4/6/

31G/277/DC, Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i", 2018/2/23

34/481/FDIS, IEC 62386-217 ED1: Digital addressable lighting interface - Part 217: Particular requirements for control gear - Thermal gear protection (device type 16), 2018/2/23

34/482/FDIS, IEC 62386-218 ED1: Digital addressable lighting interface - Part 218: Particular requirements for control gear - Dimming curve selection (device type 17), 2018/2/23

34/484/FDIS, IEC 62386-222 ED1: Digital addressable lighting interface - Part 222: Particular requirements for control gear - Thermal lamp protection (device type 21), 2018/2/23

34/483/FDIS, IEC 62386-207 ED2: Digital addressable lighting interface - Part 207: Particular requirements for control gear - LED modules (device type 6), 2018/2/23

34B/1955/FDIS, IEC 60061-4/AMD16 ED1: Amendment 16 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information, 2018/2/23

46F/398/CD, IEC 61169-64 ED1: Radio Frequency Connectors - Part 64: Sectional specification for RF coaxial connectors with 0.8 mm inner diameter of outer conductor - characteristic impedance 50 Ω (type-0.8), 018/4/6/

- 46F/399/CD, IEC 63138-2 ED1: Multi radio frequency channel connector - Part 2: Sectional specification for MQ4 series circular connector, 018/4/6/
- 46F/397/CD, IEC 61169-15 ED1: Radio-frequency connectors. Part 15: R.F. coaxial connectors with inner diameter of outer conductor 4.13 mm (0.163 in) with screw coupling - Characteristic impedance 50 ohms (Type SMA), 018/4/6/
- 47/2456/CD, IEC 62779-4 ED1: Semiconductor devices - Semiconductor interface for human body communication - Part 4: Semiconductor interface for capsule endoscopy using human body communication, 018/4/6/
- 47/2457/NP, PNW 47-2457: Future IEC 62830-7: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 7: Linear sliding mode triboelectric energy harvesting, 018/4/6/
- 51/1217/FDIS, IEC 63093-7 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 7: EER-cores, 2018/2/23
- 56/1763/CD, IEC 62960 ED1: Dependability reviews during the life cycle, 018/4/6/
- 57/1953/NP, PNW 57-1953: Energy Management System Application Program Interface (EMS-API) - Part 460: Profiles for projects that describe changes to IEC 61970 network models (proposed IEC 61970-460), 018/4/6/
- 62A/1236/DTR, IEC TR 60601-4-3 ED2: Medical electrical equipment - Part 4-3: Guidance and interpretation - Considerations of unaddressed safety aspects in the third edition of IEC 60601-1 and proposals for new requirements, 018/3/9/
- 62A/1237/CD, IEC 60601-1/AMD2 ED3: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance, 018/3/9/
- 62A/1239/CD, IEC 60601-1-11/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, 018/3/9/
- 62D/1554/FDIS, IEC 60601-2-76 ED1: Medical Electrical Equipment - Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment, 2018/2/23
- 65E/582/FDIS, IEC 62714-1 ED2: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 1: Architecture and general requirements, 2018/2/23
- 66/652/CDV, IEC 61010-2-081 ED3: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes, 018/4/6/
- 69/554/DTS, IEC TS 61980-3 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 3 Specific requirements for the magnetic field wireless power transfer systems, 018/4/6/
- 72/1114/CDV, IEC 60730-2-14/AMD1 ED2: Automatic electrical controls - Part 2-14: Particular requirements for electric actuators, 018/4/6/
- 78/1203/CD, IEC 61318 ED4: Live working - Conformity assessment applicable to tools, devices and equipment, 018/4/6/
- 79/604/NP, PNW 79-604: Video surveillance systems (VSS) for use in security applications - Part 5-1: Environmental test methods for image quality performance (proposed IEC 62676-5-1), 018/4/6/
- 80/878/CD, IEC 61108-5 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 5: BeiDou satellite navigation system (BDS) - Receiver equipment - Performance requirements, methods of testing and required test results, 018/4/6/
- 82/1386/NP, PNW TS 82-1386: Recommendations for renewable energy and hybrid systems for rural electrification - Part 13-1: Integrated systems - Quality standards for stand-alone renewable energy products with power ratings less than or equal to 10 W (proposed IEC TS 62257-13-1), 018/4/6/
- 82/1387/NP, PNW TS 82-1387: Recommendations for renewable energy and hybrid systems for rural electrification - Part 13-2: Integrated systems - Quality standards for stand-alone renewable energy products with power ratings greater than 10 W and less than or equal to 350 W (proposed IEC TS 62257-13-2), 018/4/6/
- 86B/4117/CD, IEC 61300-3-54 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-54: Examinations and measurements - Angular misalignment between ferrule bore axis and ferrule axes for cylindrical ferrules, 018/3/9/
- 86C/1493/CDV, IEC 62148-21 ED1: Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using Silicon Fine-pitch Ball Grid Array (S-FBGA) and Silicon Fine-pitch Land Grid Array (S-FLGA), 018/4/6/
- 88/662/NP, PNW TS 88-662: Wind energy generation systems - Part 11-2: Measurement of wind turbine noise characteristics in receptor position, 018/4/6/
- 105/677/CDV, IEC 62282-6-400 ED1: Fuel cell technologies - Part 6 -400: Micro fuel cell power systems - Power and data interchangeability, 018/4/6/
- 114/244/CD, IEC TS 62600-2 ED2: Marine energy - Wave, tidal and other water current converters - Part 2: Design requirements for marine energy systems, 018/3/9/
- 114/246/DC, Proposed revision of IEC TS 62600-101 Ed. 1 - Proposed transition of AHG 5, Wave energy resource assessment and characterization, into a MT, 018/3/9/
- 114/247/DC, Proposed revision of IEC TS 62600-10 Ed. 1 - Proposed transition of AHG 6, Assessment of mooring system for marine energy converters, into a MT, 018/3/9/
- 115/181/CD, IEC TR 63179 ED1: Planning of HVDC systems - Part 1: HVDC systems with line commutated converters, 018/4/6/
- JTC1-SC41/25/NP, PNW JTC1-SC41-25: Information technology - Underwater Acoustic Sensor Network (UWASN) - Application Profiles, 018/4/6/
- JTC1-SC41/23/NP, PNW JTC1-SC41-23: Information technology - Underwater Acoustic Sensor Network (UWASN) - Network management system overview and requirements, 018/4/6/



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 20547-2:2018](#), Information technology - Big data reference architecture - Part 2: Use cases and derived requirements, \$232.00

DENTISTRY (TC 106)

[ISO 19448:2018](#), Dentistry - Analysis of fluoride concentration in aqueous solutions by use of fluoride ion-selective electrode, \$68.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19157/Amd1:2018](#), Geographic information - Data quality - Amendment 1: Describing data quality using coverages, \$19.00

HEALTH INFORMATICS (TC 215)

[ISO/IEEE 11073-10424/Cor1:2018](#), Health informatics - Personal health device communication - Part 10424: Device specialization - Sleep apnoea breathing therapy equipment (SABTE) - Corrigendum, FREE

LIGHT METALS AND THEIR ALLOYS (TC 79)

[ISO 7599:2018](#), Anodizing of aluminium and its alloys - Method for specifying decorative and protective anodic oxidation coatings on aluminium, \$138.00

MECHANICAL TESTING OF METALS (TC 164)

[ISO 6507-1:2018](#), Metallic materials - Vickers hardness test - Part 1: Test method, \$162.00

[ISO 6507-2:2018](#), Metallic materials - Vickers hardness test - Part 2: Verification and calibration of testing machines, \$103.00

[ISO 6507-3:2018](#), Metallic materials - Vickers hardness test - Part 3: Calibration of reference blocks, \$103.00

PAINTS AND VARNISHES (TC 35)

[ISO 6270-3:2018](#), Paints and varnishes - Determination of resistance to humidity - Part 3: Condensation (in-cabinet exposure with heated, bubbling water reservoir), \$68.00

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

[ISO 161-1:2018](#), Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series, \$45.00

[ISO 11297-4:2018](#), Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 4: Lining with cured-in-place pipes, \$68.00

[ISO 11922-1:2018](#), Thermoplastics pipes for the conveyance of fluids - Dimensions and tolerances - Part 1: Metric series, \$103.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 20313:2018](#), Ships and marine technology - Cathodic protection of ships, \$209.00

[ISO/PAS 21195:2018](#), Ships and marine technology - Systems for the detection of persons while going overboard from ships (Man overboard detection), \$103.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 23537-1/Amd1:2018](#), Requirements for sleeping bags - Part 1: Thermal and dimensional requirements - Amendment 1, \$19.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

[ISO 11737-1:2018](#), Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products, \$185.00

[ISO 13408-2:2018](#), Aseptic processing of health care products - Part 2: Sterilizing filtration, \$162.00

SURFACE ACTIVE AGENTS (TC 91)

[ISO 19619:2018](#), Surface active agents - Determination of free propylene oxide content in propylene oxide adduct surfactants - GC method, \$68.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

[ISO 18841:2018](#), Interpreting services - General requirements and recommendations, \$103.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 4254-8:2018](#), Agricultural machinery - Safety - Part 8: Solid fertilizer distributors, \$103.00

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WATER QUALITY (TC 147)

[ISO/TS 19620:2018](#), Water quality - Determination of arsenic(III) and arsenic(V) species - Method using high performance liquid chromatography (HPLC) with detection by inductively coupled plasma mass spectrometry (ICP-MS) or hydride generation atomic fluorescence spectrometry (HG-AFS), \$185.00

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[ISO/IEC 19286:2018](#), Identification cards - Integrated circuit cards - Privacy-enhancing protocols and services, \$209.00

[ISO/IEC 20243-2:2018](#), Information technology - Open Trusted Technology Provider™ Standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products - Part 2: Assessment procedures for the O-TTPS and ISO/IEC 20243-1:2018, \$162.00

[ISO/IEC/IEEE 8802-1Q/Amd2:2018](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1: Overview of Local Area Network Standards - Amendment 2: Application virtual local area network (VLAN) type, length, value (TLV), \$232.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

[IEC 61938 Ed. 3.0 en:2018](#), Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability (GMT), \$235.00

[IEC 62731 Ed. 2.0 en:2018](#), Text-to-speech for television - General requirements, \$117.00

[IEC 63029 Ed. 1.0 en cor.1:2018](#), Corrigendum 1 - Audio, video multimedia systems and equipment - Multimedia e-publishing and e-book technologies - Raster-graphics image-based e-books, \$0.00

[IEC 60728-2 Ed. 3.0 en:2018](#), Cable networks for television signals, sound signals and interactive services - Part 2: Electromagnetic compatibility for equipment, \$317.00

[S+ IEC 61938 Ed. 3.0 en:2018 \(Redline version\)](#), Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability (GMT), \$305.00

AUTOMATIC CONTROLS FOR HOUSEHOLD USE (TC 72)

[IEC 60730-2-6 Ed. 3.0 b:2015](#), Automatic electrical controls - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements, \$235.00

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

[IEC 61196-5 Ed. 3.0 en:2018](#), Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, \$82.00

[IEC 61196-6-2 Ed. 1.0 en:2018](#), Coaxial communication cables - Part 6-2: Detail specification for 75-4 type CATV drop cables, \$82.00

[IEC 61196-6-3 Ed. 1.0 en:2018](#), Coaxial communication cables - Part 6-3: Detail specification for type 75-5 CATV drop cables, \$82.00

[IEC 61196-6-4 Ed. 1.0 en:2018](#), Coaxial communication cables - Part 6-4: Detail specification for 75-7 type CATV drop cables, \$82.00

[IEC 61196-1-113 Ed. 2.0 en:2018](#), Coaxial communication cables - Part 1-113: Electrical test methods - Test for attenuation constant, \$47.00

[IEC 61196-1-303 Ed. 1.0 en:2018](#), Coaxial communication cables - Part 1-303: Mechanical test methods - Test for silver and tin plating thickness, \$47.00

ELECTRIC CABLES (TC 20)

[IEC 60230 Ed. 2.0 en:2018](#), Impulse tests on cables and their accessories, \$82.00

[IEC 60287-SER Ed. 1.0 b:2018](#), Electric cables - ALL PARTS, \$402.00

[IEC 60332-SER Ed. 1.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - ALL PARTS, \$492.00

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC 60079-SER Ed. 1.0 b:2018](#), Explosive atmospheres - ALL PARTS, FREE

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

[IEC 60364-4-44 Amd.2 Ed. 2.0 b:2018](#), Amendment 2 - Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, \$23.00

[IEC 60364-4-44 Ed. 2.2 b:2018](#), Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, \$528.00

ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

[IEC 60092-SER Ed. 1.0 b:2018](#), Electrical installations in ships - ALL PARTS, FREE

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-3-SER Ed. 1.0 b:2018](#), Electromagnetic compatibility (EMC) - Part 3: Limit - ALL PARTS, FREE

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

[IEC 60512-8-3 Ed. 2.0 b:2018](#), Connectors for electrical and electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever, \$47.00

[IEC 60512-15-2 Ed. 2.0 b:2018](#), Connectors for electrical and electronic equipment - Tests and measurements - Part 15-2: Connector tests (mechanical) - Test 15b: Insert retention in housing (axial), \$23.00

[IEC/PAS 61076-3-126 Ed. 1.0 en:2018](#), Connectors for electrical and electronic equipment - Product requirements - Part 3-126: Rectangular connectors - Detail specification for 5 pole power connector for industrial environments with push-pull locking, \$281.00

ELECTROSTATICS (TC 101)

[IEC 61340-4-5 Ed. 2.0 b:2018](#), Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person, \$117.00

[S+ IEC 61340-4-5 Ed. 2.0 en:2018 \(Redline version\)](#), Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person, \$152.00

ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)

[IEC 60068-2-SER Ed. 1.0 b:2018](#), Environmental testing - Part 2: Tests - ALL PARTS, \$6040.00

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

[IEC 62056-8-5 Ed. 1.0 b:2017](#), Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks, \$235.00

EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS (TC 112)

[IEC 62631-3-11 Ed. 1.0 b:2018](#), Dielectric and resistive properties of solid insulating materials - Part 3-11: Determination of resistive properties (DC Methods) - Volume resistance and volume resistivity - Method for impregnation and coating materials, \$82.00

FIBRE OPTICS (TC 86)

[IEC 61202-1 Ed. 4.0 b:2016](#), Fibre optic interconnecting devices and passive components - Fibre optic isolators - Part 1: Generic specification, \$164.00

[IEC 62496-2 Ed. 1.0 b:2017](#), Optical circuit boards - Basic test and measurement procedures - Part 2: General guidance for definition of measurement conditions for optical characteristics of optical circuit boards, \$235.00

[IEC 62343-5-2 Ed. 1.0 b:2018](#), Dynamic modules - Part 5-2: Test methods - 1 x N fixed-grid WSS - Dynamic crosstalk measurement, \$164.00

[IEC 60793-1-54 Ed. 3.0 b:2018](#), Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation, \$82.00

[IEC 61753-052-3 Ed. 2.0 b:2016](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 052-3: Single-mode fibre non-connectorized fixed attenuator - Category U in uncontrolled environment, \$82.00

[IEC 61753-052-6 Ed. 1.0 b:2016](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 052-6: Single-mode fibre non-connectorized fixed attenuator - Category O in outside plant environment, \$82.00

[S+ IEC 60793-1-54 Ed. 3.0 en:2018 \(Redline version\)](#), Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation, \$107.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 62906-5-4 Ed. 1.0 en:2018](#), Laser display devices - Part 5-4: Optical measuring methods of colour speckle, \$317.00

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

[IEC 61125 Ed. 2.0 b:2018](#), Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state, \$199.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC 61131-SER Ed. 1.0 b:2018](#), Programmable controllers - ALL PARTS, FREE

[IEC 61804-2 Ed. 3.0 b:2018](#), Function blocks (FB) for process control and electronic device description language (EDDL) - Part 2: Specification of FB concept, \$352.00

[IEC 62443-4-1 Ed. 1.0 en:2018](#), Security for industrial automation and control systems - Part 4-1: Secure product development lifecycle requirements, \$317.00

INSULATING MATERIALS (TC 15)

[IEC 62677-3-101 Ed. 1.0 b:2018](#), Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications, \$47.00

[IEC 62677-3-102 Ed. 1.0 b:2018](#), Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications, \$47.00

LASER EQUIPMENT (TC 76)

[IEC 60825-SER Ed. 1.0 b:2018](#), Safety of laser products - ALL PARTS, \$231.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 61097-7 Amd.1 Ed. 1.0 b:2018](#), Amendment 1 - Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, methods of testing and required test results, \$12.00

[IEC 61097-7 Ed. 1.1 b:2018](#), Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, methods of testing and required test results, \$322.00

[IEC 62320-2 Ed. 2.0 b:2016](#), Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results, \$375.00

METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE (TC 106)

[IEC/PAS 63151 Ed. 1.0 en:2018](#), Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Vector measurement-based systems (Frequency range of 30 MHz to 6 GHz), \$387.00

POWER TRANSFORMERS (TC 14)

[IEC 60076-7 Ed. 2.0 en:2018](#), Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers, \$352.00

[S+ IEC 60076-7 Ed. 2.0 en:2018 \(Redline version\)](#), Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers, \$457.00

ROTATING MACHINERY (TC 2)

[IEC 60034-SER Ed. 1.0 b:2018](#), Rotating electrical machines - ALL PARTS, \$6054.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62228-1 Ed. 1.0 en:2018](#), Integrated circuits - EMC evaluation of transceivers - Part 1: General conditions and definitions, \$23.00

[IEC 60749-26 Ed. 4.0 b:2018](#), Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM), \$317.00

SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)

[IEC 62041 Ed. 3.0 b:2017](#), Transformers, power supplies, reactors and similar products - EMC requirements, \$199.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

[IEC 61249-2-45 Ed. 1.0 en:2018](#), Materials for printed boards and other interconnecting structures - Part 2-45: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 1,0 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly, \$164.00

[IEC 61249-2-46 Ed. 1.0 en:2018](#), Materials for printed boards and other interconnecting structures - Part 2-46: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 1,5 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly, \$164.00

[IEC 61249-2-47 Ed. 1.0 en:2018](#), Materials for printed boards and other interconnecting structures - Part 2-47: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 2,0 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly, \$164.00

SURGE ARRESTERS (TC 37)

[IEC 61643-31 Ed. 1.0 b:2018](#), Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations, \$317.00

[IEC 61643-352 Ed. 1.0 b:2018](#), Components for low-voltage surge protection - Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SITs), \$164.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

[IEC 62271-SER Ed. 1.0 b:2018](#), High-voltage switchgear and controlgear - ALL PARTS, \$10447.00

[IEC 62271-100 Amd.2 Ed. 2.0 b cor.1:2018](#), Corrigendum 1 - Amendment 2 - High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers, \$0.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

[IEC 60947-SER Ed. 1.0 b:2018](#), Low-voltage switchgear and controlgear - ALL PARTS, \$282.00

IEC Technical Reports**ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)**

[IEC/TR 61948-3 Ed. 2.0 en:2018](#), Nuclear medicine instrumentation - Routine tests - Part 3: Positron emission tomographs, \$47.00

IEC Technical Specifications**LIGHTNING PROTECTION (TC 81)**

[IEC/TS 62561-8 Ed. 1.0 en:2018](#), Lightning protection system components (LPSC) - Part 8: Requirements for components for isolated LPS, \$317.00

POWER TRANSFORMERS (TC 14)

[IEC/TS 60076-20 Ed. 1.0 en cor.1:2018](#), Corrigendum 1 - Power transformers - Part 20: Energy efficiency, \$0.00

[IEC/TS 60076-23 Ed. 1.0 en:2018](#), Power transformers - Part 23: DC magnetic bias suppression devices, \$235.00

ULTRASONICS (TC 87)

[IEC/TS 62903 Ed. 1.0 en:2018](#), Ultrasonics - Measurements of electroacoustical parameters and acoustic output power of spherically curved transducers using the self-reciprocity method, \$281.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

For further information about the USA TBT Inquiry Point, please visit:

<https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

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

Information Concerning

American National Standards

Call for Members

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

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

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

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- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Accredited Standards Committees S1 – Acoustics; S2 – Mechanical Vibration and Shock; S3 – Bioacoustics; and S12 – Noise

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditations of Accredited Standards Committees S1, Acoustics; S2, Mechanical Vibration and Shock; S3, Bioacoustics; and S12, Noise have been approved under their recently revised operating procedures for documenting consensus on each ASC's-sponsored American National Standards, effective January 12, 2018. For additional information, please contact the Secretariat of ASCs S1, S2, S3 and S12: Mr. Neil Stremmel, ASA Standards Manager, Acoustical Society of America, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747; phone: 631.390.0215; e-mail: nstremmel@acousticalsociety.org.

Meeting Notice

Accredited Standards Committee Z87 – Safety Standards for Eye Protection

The Accredited Standards Committee Z87 on Safety Standards for Eye Protection will next meet as noted:

Tuesday, April 10, 2018 - 9:00 AM – 3:00 PM

The Vision Council
225 Reinekers Lane, Suite 700
Alexandria, VA 22134

Meeting space is limited and is available on a first-come, first-serve basis. If you have questions or are interested in attending the Z87 Committee meeting, please contact Cristine Z. Fargo, Director-Member and Technical Services at 703-525-1695 or cfargo@safetyequipment.org.

BSR/UL 67, Standard for Safety for Panelboards

1. Addition of Requirements for Marking for Panelboards Intended to be Connected to Uninterruptible Power Supplies (UPS)

5.6.12 Panelboards intended to provide uninterruptible power supply to control circuitry shall be marked in accordance with 32.16A.1.

32.16A Panelboard with connection to Uninterruptible Power Supply

32.16A.1 A panelboard intended to be connected to an Uninterruptible Power Supply to power control circuitry shall be marked with the word "CAUTION" and the following or equivalent: "Risk of Electric Shock - Control circuitry powered by external UPS, more than one disconnect switch is required to de-energize the equipment before servicing. UPS disconnect location: _____".

2. Addition of Requirements to Allow a Frequency Range for Dielectric Testing

14.3.2 A barrier that comprises the sole separation or that is used in conjunction with an air space less than 0.013 inch (0.33 mm) shall comply with (a) - (e). The barrier shall:

- a) Be of material acceptable for direct support of an uninsulated live part as covered in 7.1 and 7.3 or in compliance with Table 14.5.

Exception No. 1: A barrier located between the enclosure and an uninsulated live part electrically connected to a grounded circuit conductor (neutral) may be of electrical grade (vulcanized) fiber.

Exception No. 2: A barrier may be acceptable based on the end-product tests specified in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

- b) Of such strength to withstand the stress associated with normal handling, installation, and use of the equipment.
- c) Secured in place.
- d) Located so that it will not be adversely affected by operation of the equipment in service.
- e) Have a minimum thickness of 0.028 inch (0.71 mm).

Exception: A barrier of insulating material other than vulcanized fiber covered by Exception No. 1 to 14.3.2(a) may have a thickness less than 0.028 inch if it withstands a ~~60-Hz~~ 48 - 62 hertz dielectric-withstand voltage of 5000 volts applied in accordance with 24.4.1.

14.3.3 A barrier used in conjunction with a minimum air space of 0.013 inch (0.33 mm) shall comply with (a) - (e). The barrier shall be:

- a) Material that is acceptable for direct support of an uninsulated live part as covered in 7.1 and 7.3 or other than electrical grade (vulcanized) fiber, and shall comply with Table 14.6.

Exception No. 1: Vulcanized fiber with a minimum thickness of 0.028 inch (0.71 mm) and used in conjunction with a minimum 0.028 inch air space need not comply with 7.1.

Exception No. 2: A barrier may be acceptable based on the end-product tests specified in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

- b) Of such strength to withstand the stress associated with normal handling, installation, and use of the equipment.
- c) Secured in place.
- d) Located so that it will not be adversely affected by operation of the equipment in service.
- e) Of a minimum thickness of 0.028 inch.

Exception No. 1: Material other than vulcanized fiber may have a thickness less than 0.028 inch if it withstands a ~~60~~ 48 - 62 hertz dielectric-withstand voltage of 5000 volts applied in accordance with the requirements in 24.4.1.

Exception No. 2: Material other than vulcanized fiber used in conjunction with an air space of 1/2 or more of the required through air spacing may have a thickness:

- a) *No less than 0.013 inch or*
- b) *Less than 0.013 inch if it withstands a ~~60-Hz~~ 48 - 62 hertz dielectric-withstand voltage of 2500 volts applied in accordance with the requirements in 24.4.1.*

24 Dielectric Voltage-Withstand Test

24.1 General

24.1.1 A panelboard is to be subjected for 1 minute to the application of a ~~60-Hz~~ 48 - 62 hertz essentially sinusoidal potential of 1000 volts plus twice the rated voltage under the following conditions. A transformer, coil, or other device connected between lines of opposite polarity is to be disconnected from one side of the line during the test in (b). The results are acceptable if there is no dielectric breakdown between:

- a) A live part and a dead metal part with all switching devices closed.

- b) Live parts of opposite polarity, with all switching devices closed.

Exception: If a watt-hour meter socket base incorporates spacings less than those shown in Table 14.1, the test potential applied to it is to be 6000 volts.

24.2 Joints with insulators

24.2.1 With respect to 14.1.5(d), a clamped joint between two insulators is to be tested using two samples.

a) The first sample is to have the clamped joint opened up to produce a space 1/8 inch (3.2 mm) wide. This may be accomplished by loosening the clamping means or by drilling a 1/8 inch diameter hole at the joint between the insulators at a point of minimum spacing between the metal parts on the opposite sides of the joint. The drilled hole shall not decrease spacings between the opposite polarity parts as measured through the crack between the insulators. The ~~60~~ 48 - 62 hertz dielectric breakdown voltage through this hole is then determined by applying a gradually increasing voltage (500 volts per second) until breakdown occurs.

b) The second sample with the clamped joint intact is to be subjected to a gradually increasing ~~60~~ 48 - 62 hertz voltage until 110 percent of the breakdown voltage of (a) has been reached and held for 1 second. If the breakdown voltage of (a) was less than 4600 volts rms, the voltage applied to the second sample is to be further increased to 5000 volts rms and held for 1 second. The clamped joint is acceptable if there is no dielectric breakdown of the second sample.

24.3 After short circuit

24.3.1 In accordance with 23.10.1 and with every switching device closed, a panelboard that has been subjected to a short-circuit test is to be subjected for 1 minute to the application of a ~~60-Hz~~ 48 - 62 hertz essentially sinusoidal potential of twice the maximum rated voltage, but not less than 900 volts as follows. The results are acceptable if there is no dielectric breakdown:

- a) Between wiring terminals of opposite polarity, and
- b) Between an uninsulated live part and the enclosure.

Exception: If breakdown occurs within a switching device, the device may be removed and the test repeated.

3. Update of Requirements for Separation of Circuits in Section 18

18.1 Other than as covered in 18.3, conductors of factory- or field-installed Class 2 and Class 3 circuits, and other low-voltage conductors shall be separated from conductors of factory- or field-installed electric light, power, Class 1, non-power-limited fire alarm circuit-conductors circuits, and medium power network-powered broadband communications cables circuits by:

- a) Barriers complying with the requirements of 8.1.7 - 8.1.10; or
- b) A minimum permanent 1/4 inch (6.4 mm) separation.

Note: Conductors of low-voltage circuits not classified as Class 2 and Class 3 circuits, and conductors of Class 2 and Class 3 circuits reclassified as Class 1 circuits are to be installed as a power circuit.

18.3 In a space where field-installed conductors will not be present, a barrier or 1/4 inch (6.4 mm) separation is not needed for factory-installed conductors of Class 2 or Class 3 conductors circuits (conductors that are integral to circuits that are contained within the panelboard enclosure) if the factory-installed conductors are insulated for the maximum voltage of all circuits that are, or could become, in contact.

4. Clarification of Requirements for Temperature Testing of Panelboards with Breakers Incorporating Integral Neutral Connections to Paragraph 19.4.3.1

19.4.3.1 Neutral assemblies tested as part of complete panelboard are to be mounted in the smallest panelboard assembly for which they are intended. The panelboard assembly shall be loaded as required by main lug test procedures described in 19.2 and main circuit breaker test procedures described in 19.3. More than one test may be necessary to address considerations in main lug and main circuit breaker test procedures. Testing that involves breakers with integral neutral connections, such as AFCI/GFCI circuit breakers with direct plug-in neutrals, shall be arranged in accordance with the procedures described in 19.2 or 19.3. Based on this configuration, the current path through the neutral is not required to be the longest current path as specified in 19.4.1.2.

Exception: Selection of panelboard test configuration may be based on comparison of results of testing on panelboards without neutral loads. In selecting the worst case scenario for neutral assembly testing, results from testing of the configuration that provided the maximum internal ambient temperature without neutral loads would be considered representative of other configurations.

BSR/UL 94, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1. Revision to Section 12 of HBF, HF-1 or HF-2 Ratings for Polymeric Foamed Materials

12.1.7 If a set of five specimens does not comply with the requirements in 12.1.6 because of one of the following situations, another set of five specimens subjected to the same conditioning shall be tested:

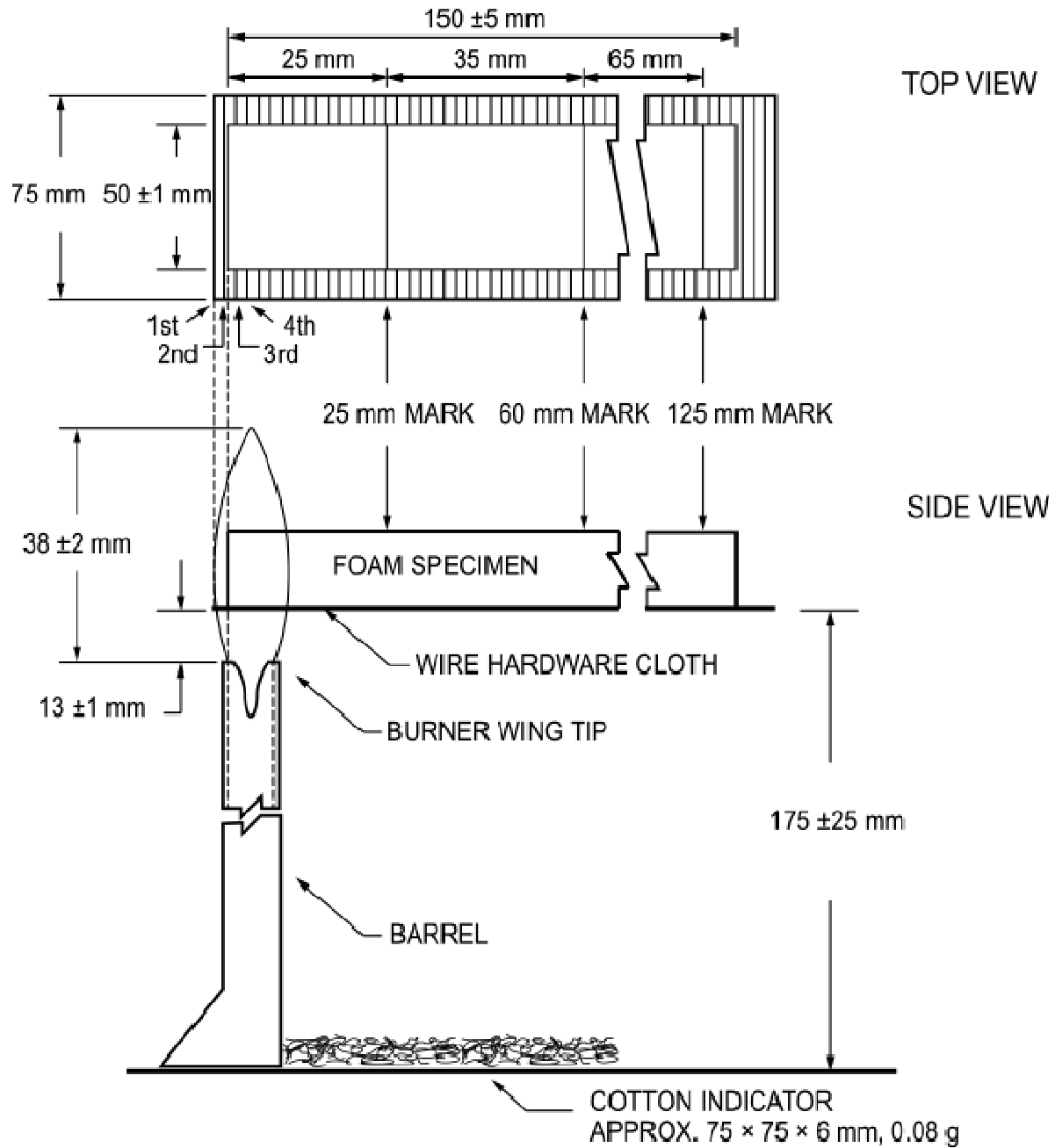
- a) A single specimen flames for more than 10 seconds; or
- b) Two specimens flame for more than 2 seconds but less than or equal to 10 seconds; or
- c) One specimen flames for more than 2 seconds but less than or equal to 10 seconds, and a second specimen flames for more than 10 seconds; or
- d) One specimen does not comply with the additional criteria in 12.1.6.

12.5.1 The specimen support gauze is to be held in a support fixture similar to Figure 12.1 such that the major section is horizontal and 13 ± 1 mm above the tip of the burner wing tip, and 175 ± 25 mm above a horizontal layer of maximum ~~0.08~~ 0.18 g each of absorbent 100 percent cotton, thinned to approximately 75 x 75 mm and a maximum thickness of 6 mm. The cotton is to be located under the wire cloth such that it is below the front end of the specimen and extends at least up to 60 mm reference mark on the specimen.

(Note from the STP Project Manager: The current version of Figure 12.2 is provided in this document. To view the proposed version of Figure 12.2, please click onto the icon located in the Supporting Documentation section of the Quick View menu provided in the UL 94 CSDS Proposal Review Work Area dated January 19, 2018.)

Figure 12.2

Horizontal burning test for HBF, HF-1, OR HF-2 classification



su3006

BSR/UL 507, Standard for Electric Fans

1. Rangehoods with Ceiling-Mounted Luminaire Module

PROPOSAL

113.13 Rangehoods with ceiling-mounted luminaire module

113.13.1 For a rangehood that is ceiling mounted and moves down toward the cooking surface when in use, and includes a luminaire that is ceiling mounted and does not move with the rangehood, a glass lens or glass shade that is intended for installation at 40 inches or higher above the cooking surface may comply with the following requirements instead of 113.12.2 - 113.12.3:

a) The glass shall comply with Section 5.16 of the Standard for Luminaires, UL 1598;

Exception: Tempered glass having exposed area greater than 3226 cm² (500 in²) can have 2.92 mm (0.115 inch) minimum thickness.

b) Untempered glass shall comply with Thermal Shock, Section 12.3.3.2, of UL 1598; and

c) Instructions for mounting height per 117.8.

117.8 For rangehood luminaires per 91.10, the installation instructions of the luminaire portion shall include a statement indicating 40 inches minimum clearance between the cooking surface and the bottom part of the lens or glass shade.

2. New Exception for Products Employing UV Lamps

PROPOSAL

224.1 A product employing Ultraviolet lamps shall be plainly and permanently marked such that it is visible during relamping, "WARNING - Skin or eye damage may result from directly viewing the light produced by the lamp in this apparatus. Always disconnect power before relamping or servicing. Replace Lamp With Lamp Model No., Manufactured by Manufacturer's Name." This marking shall be repeated in the manufacturer's instructions.

Exception: Products exclusively identified for the use with lamps rated "Exempt Risk Group", in accordance with the Recommended Practice for Photobiological Safety for Lamps and Lamp Systems, ANSI/IESNA RP-27.1, are only required to be marked: "Always disconnect power before relamping or servicing. Replace Lamp With Lamp Model No., Manufactured by Manufacturer's Name." This marking shall be repeated in the manufacturer's instructions.

BSR/UL 565, Standard for Safety for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas

1. Revisions to the 10-day moist ammonia-air stress cracking test

14 10-Day Moist Ammonia-Air Stress Cracking Test

14.1 After being subjected to the conditions described in ~~14.2–14.4~~ 14.2 - 14.3, a pressure confining brass part containing more than 15 percent zinc shall show no evidence of cracking when examined using 25X magnification.

a) Show no evidence of cracking, delamination, or degradation; or

b) Perform as intended when tested as described in 14.4.

~~14.2 Each test sample is to be subjected to the physical stresses normally imposed on or within a part as a result of assembly with other components. Such stresses are to be applied to the sample prior to and maintained during the test. Samples with threads, intended to be used for installing the product in the field are to have the threads engaged and tightened to the torque specified in Table 14.1. Teflon tape or pipe compound are not to be used on the threads. One test sample of each size is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Samples with female tapered pipe threads, intended to be used for installing the product in the field, are to have the threads engaged and tightened to the torque specified in Table 14.1. Samples with female threads other than tapered pipe threads shall be torqued as specified by the manufacturer. Polytetrafluoroethylene (PTFE) tape or pipe compound is not to be used on any threads. Samples with male threads are evaluated in “as-received” condition.~~

~~14.3 Three samples are to be degreased and then continuously exposed in a set position for ten days to a moist ammonia-air mixture maintained in a glass chamber approximately 305 by 305 by 305 mm (12 by 12 by 12 inch) having a glass cover. The samples are then to be tested in accordance with Apparatus, Section 6, Reagents and Materials, Section 7, Test Media, Section 8, Test Sample Preparation (9.3 - 9.4), Test Procedure (10.1 - 10.4) of the Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, ASTM B858-06, except the pH level of the test solution shall be High 10.5 ±0.1 and the exposure temperature shall be 25 ±1°C.~~

~~14.4 Approximately 600 ml of aqueous ammonia having a specific gravity of 0.94 is to be maintained at the bottom of the glass chamber below the samples. The samples are to be positioned 1-1/2 inches (38.1 mm) above the aqueous ammonia solution and supported by an inert tray. The moist ammonia-air mixture in the chamber is to be maintained at atmospheric pressure and at a temperature of 34 ±2°C. After the exposure period, the samples are to be examined for cracks or other signs of stress corrosion using a microscope having a magnification of 25X. Parts exhibiting degradation as indicated in 14.1 (a), as a result of the test exposure described in 14.2 and 14.3 shall be subjected to and comply with the Hydrostatic Strength Test Section 11.~~

BSR/UL 969, Standard for Safety for Marking and Labeling Systems

1. Revision of thermal shock requirements that have been applied to labels affixed to PWB's and clarification of labels evaluated for use in Class I, Division 1 hazardous locations

Table 7.4

Exposure conditions for common agents

Agent	Exposure condition ^a
Cooking oil	Immersion for 48 ±0.5 h in corn oil.
Detergent (dishwasher)	Immersion for 48 ±0.5 h in a solution of 25 ±1 g of granular dishwashing detergent ^b specified in the Standard for Household Dishwashers, UL 749, in 1 L of demineralized water.
Detergent (laundry)	Immersion for 48 ±0.5 h in a solution of 25 ±1 g of granular laundry detergent ^b specified in the Standard for Electric Clothes Washing Machines and Extractors, UL 2157, in 1 L of demineralized water.
Fuel Oil No. 1	Immersion for 48 ±0.5 h in fuel oil No. 1.
Fuel Oil No. 2	Immersion for 48 ±0.5 h in fuel oil No. 2.
Gasoline (splashing)	Immersion for 60 ±5 min in ASTM Reference Fuel C. ^c
Kerosene	Immersion for 48 ±0.5 h in kerosene.
Lubricating oil	Immersion for 48 ±0.5 h in IRM903 Oil.
Hydraulic fluid	Immersion for 48 ±0.5 h in hydraulic fluid that has a ISO Viscosity grade of 46.
Thermal Shock	Exposure in one of the following mediums as specified in the Standard for Printed-Wiring Boards, UL 796; 1) Convection Oven, 2) Sand Bath, 3) Solder pot or 4) IR Reflow Oven. The soldering or equivalent operation <u>thermal shock</u> should be conducted at the maximum temperature and dwell time specified by the manufacturer.
^a The liquid for the immersion test is to be maintained at the temperature the liquid will attain in service, but not less than 23 ±2°C (73.4 ±3.6°F).	
^b For dishwashing applications, Cascade may be used; for clothes-washing machine applications, Tide may be used.	
^c A 50/50 mixture by volume of isoöctane and toluene.	

BSR/UL 1581, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords

PROPOSALS

Note from the STP Project Manager: For brevity, only the affected portion of Table 47.1 is shown.

Table 47.1

Index to insulation and jacket materials

Material	Applicable table(s) or paragraphs in this standard
EPCV	
90°C Insulation	Table 50.62
EVA	
<u>75°C and 80°C insulation and jacket</u>	<u>Table 50.246</u>

(NEW TABLE)

Table 50.246

Physical properties of 75°C and 80°C Thermoplastic EVA^a insulation and jacket

<u>Condition of specimens at time of measurement</u>	<u>Minimum ultimate elongation (1-inch or 25-mm bench marks)</u>	<u>Minimum tensile strength</u>
Unaged	<u>200 percent</u>	<u>1300 lbf/in² or 8.9 MPa</u>
Aged in a full-draft circulating-air oven for:		
<u>168 h at 113.0 ±1.0°C (235.4 ±1.8°F) for specimens of 80°C insulation or jacket</u>	<u>50 percent of the result with unaged specimens</u>	<u>85 percent of the result with unaged specimens</u>
<u>240 h at 100.0 ±1.0°C (212.0 ±1.8°F) for specimens of 75°C insulation or jacket</u>	<u>45 percent of the result with unaged specimens</u>	<u>85 percent of the result with unaged specimens</u>
^a Thermoplastic EVA designates a thermoplastic compound whose characteristic constituent is ethylene vinyl acetate.		

BSR/UL 2157, Standard for Electric Clothes Washing Machines and Extractors

1. Proposed Fourth Edition of the Standard for Electric Clothes Washing Machines and Extractors

PROPOSAL

14.3.2 Obvious wetting is shall be considered to be wetting by a stream, spray, or dripping of water on the component that will likely happen during each flooding, overflow, or spillage condition, or as a random occurrence Obvious wetting shall be repeated during each test. Wetting by random drops of water that may wet the component by chance shall not be considered obvious wetting.

14.7 Nichrome wire test

14.7.1 If specified by Clause 26.6.3.2(b), an electrical connection shall be tested as specified in Clauses 14.7.2 to 14.7.10. Each connection shall be evaluated using one connector sample. Multiple connections may be independently evaluated within the same appliance if they are located such that they do not influence the outcome or evaluation of the test. As a result of the test, there shall be no evidence of ignition of the cheesecloth referenced in Clause 14.7.4 as indicated by broken threads of the cheesecloth. Browning of the cheesecloth is acceptable provided that all individual threads are unbroken.

Note: Cheesecloth fibres may become brittle after exposed to heat. Care should be taken to prevent breakage of fibres during inspection. Fibres broken during inspection are not considered as a non-compliance.

SD4.4.2 Switch mode power supply insulation system

SD4.4.2.1 Insulation used within a transformer of a switch mode power supply that is rated Class E or higher shall comply with UL 1446 and CAN/CSA-C22.2 No. 0, for the specified temperature class of the insulation system, or UL 2353 and Annex U of CAN/CSA-C22.2 No. 60950-1.