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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](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: November 26, 2017

### NSF (NSF International)

#### Revision

BSR/NSF 336-201x (i2r1), Sustainability assessment for commercial furnishings fabric (revision of ANSI/NSF 336-2011)

This sustainability standard is applicable to commercial fabrics commonly used in public occupancy settings, such as office, hospitality, healthcare, and institutional interiors. These include but are not limited to upholstery, vertical fabric (furniture system, wall, drapery, and cubicle), and top-of-the-bed fabrics. Fabrics may be formed by combining yarns, fibers, or filaments in a variety of ways including but not limited to woven, non-woven, knitted, bonded, felted, and composite materials. This Standard provides pathways toward sustainability by establishing measurable criteria for multiple levels of achievement.

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

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

### RVIA (Recreational Vehicle Industry Association)

#### Revision

BSR/RVIA EGS-1-201x, Engine Generator Sets for Recreational Vehicle Requirements (revision of ANSI/RVIA EGS-1-2013)

This standard sets forth safety requirements and standards for engine generators having a continuous rating of 20 kilowatts or less, intended for installation and operation in recreational vehicles and similar mobile applications.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kent Perkins, (703) 620-6003, [kperkins@rvia.org](mailto:kperkins@rvia.org)

### RVIA (Recreational Vehicle Industry Association)

#### Revision

BSR/RVIA TSIC-1-201x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008 (R2013))

This Recommended Practice identifies and defines the significant factors required for the trailer wheel assembly process and systematic control. The proper assembly of wheels on trailers is of critical importance to consumer safety. The improper attachment of a wheel to an axle may lead to the loss of the wheel in service. This document provides information on the recommended design and assembly of trailer wheel components and control processes intended to improve trailer reliability and enhance consumer safety.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kent Perkins, (703) 620-6003, [kperkins@rvia.org](mailto:kperkins@rvia.org)

### UL (Underwriters Laboratories, Inc.)

#### New Standard

BSR/UL 61730-1-201x, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (new standard)

(1) Proposed addition of references to components standards for application in the U.S.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Susan Malohn, (847) 664-1725, [Susan.P.Malohn@ul.com](mailto:Susan.P.Malohn@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 213-201x, Standard for Safety for Rubber Gasketed Fittings for Fire-Protection Service (revision of ANSI/UL 213-2013)

Proposal to align pressure test requirements of UL 213 and 213C standards.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Griff Edwards, 919 549-0956, [griff.edwards@ul.com](mailto:griff.edwards@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 521-201x, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2016)

(1) Graph modification for Fire Test temperature profile.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Griff Edwards, 919 549-0956, [griff.edwards@ul.com](mailto:griff.edwards@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 588-201X, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2017)

This covers adding an exception for cords in a battery circuit.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Megan Sepper, (847) 664-3411, [Megan.M.Sepper@ul.com](mailto:Megan.M.Sepper@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 8750-201X, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (Proposal dated 10-27-17) (revision of ANSI/UL 8750-2017)

This recirculation proposal provides revisions to the UL 8750 proposal dated 2017-04-07.

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

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

## Comment Deadline: December 11, 2017

### ACCA (Air Conditioning Contractors of America)

#### *New Standard*

BSR/ACCA 15 OBD Standard-201x, On-Board Diagnostic Codes for HVACR Equipment (new standard)

This Standard details a nomenclature naming schema for defining fault and performance codes and terminology associated with heating, ventilating, air-conditioning, and refrigeration (HVAC&R) equipment. This Standard applies to new HVAC&R equipment and components for use in new and existing residential and commercial buildings as well as commercial refrigeration applications.

Single copy price: Free

Obtain an electronic copy from: [www.acca.org/ansi](http://www.acca.org/ansi)

Order from: Danny Halel, (703) 824-8868, [danny.halel@acca.org](mailto:danny.halel@acca.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Comments should be submitted on the "ACCA Public Response Form": available on ACCA.org website or [standards-sec@acca.org](mailto:standards-sec@acca.org)

### AIAA (American Institute of Aeronautics and Astronautics)

#### *New Standard*

BSR/AIAA S-136-201x, Safety Standard for Space Lithium Batteries (new standard)

This standard contains the requirements and guidelines related to the safety of lithium-ion batteries used in space systems including but not limited to satellites, launch vehicles, interplanetary probes, rovers, and landers. All aspects of the battery acquisition cycles are addressed including design, testing, integration, handling at the launch site, and mission use.

Single copy price: \$74.95

Obtain an electronic copy from: [hillaryw@aiaa.org](mailto:hillaryw@aiaa.org)

Order from: Hillary Woehrle, (703) 264-7546, [hillaryw@aiaa.org](mailto:hillaryw@aiaa.org)

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

### ASA (ASC S1) (Acoustical Society of America)

#### *Revision*

BSR ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI ASA S1.18-2010)

Describes procedures to obtain real and imaginary parts of normalized acoustic impedance ratio of ground surfaces from in-situ measurements of sound pressure levels at two vertically separated microphones using specified geometries and averaged values of difference between simultaneous instantaneous sound-pressure signals at two microphones.

Single copy price: \$145.00

Obtain an electronic copy from: [asastds@acousticalsociety.org](mailto:asastds@acousticalsociety.org)

Order from: Neil Stremmel, (631) 390-0215, [asastds@acousticalsociety.org](mailto:asastds@acousticalsociety.org)

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

### ASABE (American Society of Agricultural and Biological Engineers)

#### *New Standard*

BSR/ASABE S642 MONYEAR-201x, Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (new standard)

This document describes methods for measurement and testing of LED packages and arrays or modules, LED lamps, and any other LED optical radiation devices, with a spectral range between 280 nm and 800 nm, used for plant growth and development. These methods are necessary to obtain information about device characteristics and long-term change behaviors.

Single copy price: \$61.00

Obtain an electronic copy from: [brace@asabe.org](mailto:brace@asabe.org)

Order from: Walter Brace, (269) 932-7009, [brace@asabe.org](mailto:brace@asabe.org)

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

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

#### *Withdrawal*

ANSI/ASHRAE Standard 134-2005 (R2014), Graphic Symbols for Heating, Ventilation, Air-Conditioning and Refrigerating Systems (withdrawal of ANSI/ASHRAE Standard 134-2005 (R2014))

The purpose of this standard is to define graphic symbols for heating, ventilating, air-conditioning and refrigerating systems. The standard is no longer valid in the current A/E (architect/engineering) marketplace with the use of 3D families instead.

Single copy price: \$35.00

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

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Online Comment Database at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

### ATIS (Alliance for Telecommunications Industry Solutions)

#### *Revision*

BSR/ATIS 0600015.04-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2016)

This document defines how to measure the Telecommunication Energy Efficiency Ratio (TEER) of DC Power Plant Rectifiers. The standard also provides requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: \$140.00

Order from: Alexandra Blasgen, (202) 434-8840, [ablasgen@atis.org](mailto:ablasgen@atis.org)

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

**AWWA (American Water Works Association)****Revision**

BSR/AWWA B605-201x, Reactivation of Granular Activated Carbon (revision of ANSI/AWWA B605-2013)

This standard describes the procurement of granular activated carbon (GAC) reactivation services and the use of reactivated GAC for potable water, wastewater, and reclaim water treatment. This standard does not cover the design of activated carbon handling facilities, reactivation facilities, or adsorption processes. Background information on GAC reactivation can be found in references listed in the bibliography to this standard (Appendix A).

Single copy price: Free

Obtain an electronic copy from: [vdavid@awwa.org](mailto:vdavid@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [vdavid@awwa.org](mailto:vdavid@awwa.org)

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

**EOS/ESD (ESD Association, Inc.)****New Standard**

BSR/ESD STM4.1-201x, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Worksurfaces - Resistance Measurements (new standard)

This document establishes methods for resistance measurements of worksurfaces, shelving, and mobile equipment used at workstations where protection of ESD susceptible items is required.

Single copy price: \$105.00 (List)/\$75.00 (EOS/ESD members) [Hard Cover]; \$130.00 (List)/\$100.00 (EOS/ESD members) [Soft Cover]

Obtain an electronic copy from: [cearl@esda.org](mailto:cearl@esda.org)

Order from: Christina Earl, (315) 339-6937, [cearl@esda.org](mailto:cearl@esda.org)

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

**HL7 (Health Level Seven)****Reaffirmation**

BSR/HL7 V2 XML, R2-2012 (R201x), HL7 Version 2: XML Encoridng Rules, R2 (reaffirmation of ANSI/HL7 V2 XML, R2-2012)

This document supersedes Release 1 and contains additional specifications to accommodate new features introduced beginning with HL7 V2.3.1. For example, the use of choice within message structures. This document is valid for all V2.x versions that have passed ballot up to and including V2.7.

Single copy price: Free

Obtain an electronic copy from: [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

Order from: Karen Van Hentenryck, (734) 677-7777, [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

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

**IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)****Revision**

BSR/ASSE 1024-201x, Performance Requirements for Dual Check Backflow Preventers (revision of ANSI/ASSE 1024-2004)

This standard applies to devices classified as dual check backflow preventers. The purpose of this device is to keep polluted water from flowing back into the potable water system, when pressure is temporarily higher in the polluted part of the system than in the potable water piping. The devices covered by this standard are intended to protect the potable water supply from low-hazard pollution at residential service lines and individual outlets. These devices are intended for cold water service under continuous or intermittent pressure conditions. Usage with hot water is limited to the temperature specified by the manufacturer.

Single copy price: Free

Obtain an electronic copy from: [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org)

Order from: Conrad Jahrling, (708) 995-3017, [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same (When emailing, please have "PR1024" in the subject line.)

**ISA (International Society of Automation)****New National Adoption**

BSR/ISA 61511-1-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements (identical national adoption of IEC 61511-1 Ed. 2.0)

Gives requirements for the specification, design, installation, operation and maintenance of a safety instrumented system (SIS), so that it can be confidently entrusted to achieve or maintain a safe state of the process. Developed as a process sector implementation of IEC 61508:2010.

Single copy price: \$300.00 usd

Obtain an electronic copy from: [crobinson@isa.org](mailto:crobinson@isa.org)

Order from: [crobinson@isa.org](mailto:crobinson@isa.org)

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

**ISA (International Society of Automation)****New National Adoption**

BSR/ISA 61511-2-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC -61511-1 (identical national adoption of IEC 61511-2 Ed. 2.0)

Provides guidance on the specification, design, installation, operation, and maintenance of SIFs and related SIS as defined in IEC 61511-1.

Single copy price: \$200.00 usd

Obtain an electronic copy from: [crobinson@isa.org](mailto:crobinson@isa.org)

Order from: [crobinson@isa.org](mailto:crobinson@isa.org)

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

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE 242-1-201x, Next Generation Audio Coding Constraints for Cable Systems: Part 1 - Introduction and Common Constraints (new standard)

This document is part of a suite documenting coding constraints of Next Generation Audio (NGA) systems for cable television. It is intended to be used in conjunction with the specific audio technologies described in subsequent parts of this standard.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE 242-2-201x, Next Generation Audio Coding Constraints for Cable Systems: Part 2 - AC-4 Audio Coding Constraints (new standard)

This document is part two of a three-part standard that specifies the coding constraints of Next Generation Audio system for cable television. In conjunction with SCTE 242-1 2017, this document defines the coding constraints on AC-4 for cable television.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE 243-1-201x, Next Generation Audio Carriage Constraints for Cable Systems: Part 1 - Common Transport Signaling (new standard)

This standard is part of a suite documenting carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. It is intended to be used in conjunction with the specific audio technologies described in subsequent Parts of this standard. The common descriptors necessary to signal NGA in MPEG-2 transport systems are defined in ISO/IEC 13818 1 and ETSI EN 300 468, and their usage is described in this Part of the standard. Additional codec specific descriptors are defined in subsequent Parts (which defines codec-specific carriage constraints).

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE 243-2-201x, Next Generation Audio Carriage Constraints For Cable Systems: Part 2 - AC-4 Audio Carriage Constraints (new standard)

This document is part of a three-part standard that specifies carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. In conjunction with SCTE 243-1 2017, this document defines the carriage of AC-4 audio in MPEG-2 transport systems and MPEG DASH.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE 243-3-201x, Next Generation Audio Carriage Constraints for Cable Systems: Part 3 - MPEG-H Audio Carriage Constraints (new standard)

This standard is part of a suite documenting carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. This part of the standard, in conjunction with Part 1, defines carriage of MPEG H Audio in MPEG 2 transport systems and in MPEG DASH. The descriptors necessary to signal MPEG H Audio in MPEG-2 transport systems are defined in ISO/IEC 13818 1 and ETSI EN 300 468, and their usage is described in this document.

Single copy price: \$50.00

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**SCTE (Society of Cable Telecommunications Engineers)*****New Standard***

BSR/SCTE DVS 242-3-201x, Next Generation Audio Coding Constraints for Cable Systems: Part 3 - MPEG-H Audio Coding Constraints (new standard)

This document is part of a suite documenting coding constraints of Next Generation Audio (NGA) systems for cable television. In conjunction with Part 1 of this standard, it defines the coding constraints on MPEG-H Audio system for cable television.

Single copy price: \$45.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@scte.org](mailto:standards@scte.org)

**TIA (Telecommunications Industry Association)****New Standard**

BSR/TIA 920.130-B-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)

This standard establishes audio transmission performance requirements for headset-equipped digital telephones regardless of protocol or digital format. Transmission may be over any digital interface including Local or Wide Area Networks, Universal Serial Bus (USB), Firewire/IEEE Std 1394, public ISDN or digital over twisted pair wire. This includes TDM-based and packet-based (e.g., VoIP) telephones. These telephones may be connected through modems, voice gateways, wireless access points, or PBXs, or they may be personal computer-based telephones.

Single copy price: \$65.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: TIA; [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

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

BSR/UL 2258-201x, Standard for Safety for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)

This standard covers nonmetallic or composite primary tanks, secondary tanks, and open or closed secondary containments from 227 - 2500 L (60 - 660 US gallons) intended primarily for the storage and supply of heating fuel for oil burning equipment, or alternately for the storage of diesel fuels for compression ignition engines and motor oils (new and used) for automotive service stations, in aboveground applications

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](mailto:psa@ansi.org)) to: Jeff Prusko, (847) 664-3416, [jeffrey.prusko@ul.com](mailto:jeffrey.prusko@ul.com)

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

BSR/UL 448B-2013 (R201x), Standard for Safety for Residential Fire Pumps Intended for One- and Two-Family Dwellings and Manufactured Homes (reaffirmation of ANSI/UL 448B-2013)

UL proposes a reaffirmation for UL 448B.

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](mailto:psa@ansi.org)) to: Griff Edwards, 919 549-0956, [griff.edwards@ul.com](mailto:griff.edwards@ul.com)

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

BSR/UL 73-201x, Standard for Motor-Operated Appliances (revision of ANSI/UL 73-2012)

(1) Accessibility of lithium button batteries; (2) Proposal to add requirements for the evaluation of electronic circuits.

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](mailto:psa@ansi.org)) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@ul.com](mailto:Amy.K.Walker@ul.com)

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

BSR/UL 711-201X, Standard for Safety for Rating and Fire Testing of Fire Extinguishers (revision of ANSI/UL 711-2009)

(1) Class C extinguisher test; (2) Update commercial-grade heptane specifications.

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](mailto:psa@ansi.org)) to: Mark Ramlochan, (613) 368-4422, [Mark.Ramlochan@ul.com](mailto:Mark.Ramlochan@ul.com)

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

BSR/UL 2157-201X, Standard for Safety for Electric Clothes Washing Machines and Extractors (Proposal dated 10-27-17) (revision of ANSI/UL 2157-2015)

This Recirculation proposal provides revisions to the UL 2157 proposal dated 2017-04-28.

Single copy price: Contact comm2000 for pricing and delivery options

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

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

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

BSR/UL 2158-201X, Standard for Safety for Electric Clothes Dryers (Proposal dated 10-27-17) (revision of ANSI/UL 2158-2015)

This Recirculation provides revisions to the UL 2158 proposal dated 2017-04-28.

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

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

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

**Comment Deadline: December 26, 2017**

**Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)**

**ANS (American Nuclear Society)****New Standard**

BSR/ANS 2.6-201x, Guidelines for Estimating Present & Projecting Future Population Distributions Surrounding Power Reactor Sites (new standard)

This standard provides civilian and government professionals with generally accepted demographic methodologies for the estimation and projection of human population distributions and densities near nuclear facility sites in order to facilitate the regulatory authority's review of site suitability relative to population considerations.

Single copy price: \$25.00

Obtain an electronic copy from: [scook@ans.org](mailto:scook@ans.org)

Order from: [scook@ans.org](mailto:scook@ans.org)

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

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

### **Revision**

BSR/ASHRAE Standard 72-201x, Method of Testing Open and Closed Commercial Refrigerators and Freezers (revision of ANSI/ASHRAE Standard 72-2014)

ASHRAE Standard 72-2014R prescribes a uniform method of testing open and closed refrigerators and freezers for rating so that comparative evaluations can be made of energy consumption, product temperature performance, refrigeration load, the suction pressures required, and other performance factors.

Single copy price: \$35.00

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

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

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

### **Revision**

BSR/UL 12402-5-201X, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (revision of ANSI/UL 12402-5-2015)

UL proposes an examination and marking of cylinder seal indication and an update to label requirements for UL 12402-5.

Single copy price: Contact comm2000 for pricing and delivery options

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

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nicolette Allen, (919) 549-0973, [Nicolette.Allen@ul.com](mailto:Nicolette.Allen@ul.com)

## **Technical Reports Registered with ANSI**

### **AAMI (Association for the Advancement of Medical Instrumentation)**

AAMI/ISO TIR10974-2017, Assessment of the safety of magnetic resonance imaging for patients with an active implantable medical device (technical report) (technical report)

Specifies the safety requirements for MRI scanning of patients with an active implantable medical device (AIMD). The scope includes conditions for the mode of operation of the AIMD, operational procedures for patient protection, MR equipment requirements and conditions for the MR equipment to be fulfilled during scanning, and test methods for the AIMD. It will also address the responsibilities for the AIMD and MR manufacturers and for the responsible organization (e.g., hospital), and risks related to patients, operators, and/or third parties. It applies to the broad range of AIMD types and scanners currently available. Particular requirements, if any, will be addressed in device-specific AIMD standards.

Single copy price: \$200.00 (AAMI members); \$280.00 (list)

Order from: [www.aami.org](http://www.aami.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Moyer, (703) 253-8274, [jmoyer@aami.org](mailto:jmoyer@aami.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:

### **ASABE (American Society of Agricultural and Biological Engineers)**

BSR/ASAE S361.4-200x, Safety for Portable Agricultural Auger Conveying Equipment (new standard)

Inquiries may be directed to Carla VanGilder, (269) 932-7015, [vangilder@asabe.org](mailto:vangilder@asabe.org)

### **TCIA (ASC A300) (Tree Care Industry Association)**

BSR A300 (Part 11)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Urban Forest Products) (new standard)

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

BSR/UL 96-201x, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2016)

# 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.

## ACCA (Air Conditioning Contractors of America)

**Office:** 2800 Shirlington Road  
Suite 300  
Arlington, VA 22206

**Contact:** *Danny Halel*

**Phone:** (703) 824-8868

**E-mail:** danny.halel@acca.org

BSR/ACCA 15 OBD Standard-201x, On-Board Diagnostic Codes for HVACR Equipment (new standard)

## AIAA (American Institute of Aeronautics and Astronautics)

**Office:** 12700 Sunrise Valley Drive, Suite 200  
Reston, VA 20191-5807

**Contact:** *Hillary Woehrle*

**Phone:** (703) 264-7546

**E-mail:** hillaryw@aiaa.org

BSR/AIAA S-136-201x, Safety Standard for Space Lithium Batteries (new standard)

## ASA (ASC S1) (Acoustical Society of America)

**Office:** 1305 Walt Whitman Road Suite 300  
Melville, NY 11747

**Contact:** *Neil Stremmel*

**Phone:** (631) 390-0215

**Fax:** (631) 923-2875

**E-mail:** asastds@acousticalsociety.org

BSR/ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI ASA S1.18-2010)

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
Saint Joseph, MI 49085

**Contact:** *Jean Walsh*

**Phone:** (269) 932-7027

**Fax:** (269) 429-3852

**E-mail:** walsh@asabe.org

BSR/ASABE EP653 MONYEAR-201x, Recommended Practice for Heating, Ventilation and Air Conditioning (HVAC) Products Used in Indoor Plant Growth and Development (new standard)

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** *Tanisha Meyers-Lisle*

**Phone:** (678) 539-1111

**Fax:** (678) 539-2111

**E-mail:** tmlisle@ashrae.org

ANSI/ASHRAE Standard 134-2005 (R2014), Graphic Symbols for Heating, Ventilation, Air-Conditioning and Refrigerating Systems (withdrawal of ANSI/ASHRAE Standard 134-2005 (R2014))

## 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 B107.110-201x, Socket Wrenches (revision of ANSI/ASME B107.110-2012)

## IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

**Office:** 4043 South Eastern Avenue  
Las Vegas, NV 89119

**Contact:** *Mili Washington*

**Phone:** (702) 850-2710

**Fax:** (360) 693-4858

**E-mail:** mwashington@iicrcnet.org

BSR/IICRC S700-201x, Standard for Professional Fire and Smoke Damage Restoration (new standard)

BSR/IICRC S740-201x, Standard for Professional Restoration of Fire and Smoke Damaged Personal Items (new standard)

## ISA (International Society of Automation)

**Office:** 67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** *Charles Robinson*

**Phone:** (919) 990-9213

**Fax:** (919) 549-8288

**E-mail:** crobinson@isa.org

BSR/ISA 61511-1-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements (identical national adoption of IEC 61511-1 Ed. 2.0)



BSR/ISA 61511-2-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC-61511-1 (identical national adoption of IEC 61511-2 Ed. 2.0)

**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 437 om-2012 (R201x), Dirt in paper and paperboard (reaffirmation of ANSI/TAPPI T 437 om-2012)

**TIA (Telecommunications Industry Association)**

**Office:** 1320 North Courthouse Road  
Suite 200  
Arlington, VA 22201

**Contact:** *Teesha Jenkins*

**Phone:** (703) 907-7706

**Fax:** (703) 907-7727

**E-mail:** standards@tiaonline.org

BSR/TIA 920.130-B-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)

## **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](mailto: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.

## **NEMA (ASC C137) (National Electrical Manufacturers Association)**

### ***New Standard***

ANSI C137.0-2017, Standard for Lighting Systems Terms and Definitions (new standard): 10/20/2017

## **NEMA (ASC Z535) (National Electrical Manufacturers Association)**

### ***Reaffirmation***

ANSI Z535.2-2011 (R2017), Environmental and Facility Signs (reaffirmation of ANSI Z535.2-2011): 10/18/2017

\* ANSI Z535.3-2011 (R2017), Standard Criteria for Safety Symbols (reaffirmation of ANSI Z535.3-2011): 10/20/2017

\* ANSI Z535.4-2011 (R2017), Product Safety Signs and Labels (reaffirmation of ANSI Z535.4-2011): 10/20/2017

### ***Revision***

ANSI Z535.1-2017, Standard on Safety Colors (revision of ANSI Z535.1-2006 (R2011)): 10/20/2017

## **NSF (NSF International)**

### ***Revision***

\* ANSI/NSF 170-2017 (i20r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017): 10/15/2017

## **PMI (Project Management Institute)**

### ***Revision***

ANSI/PMI-08-003-2017, The Standard for Portfolio Management - Fourth Edition (revision of ANSI/PMI 08-003-2012): 10/18/2017

## **SCTE (Society of Cable Telecommunications Engineers)**

### ***New Standard***

ANSI/SCTE 237-2017, Implementation Steps for Adaptive Power Systems Interface Specification (APSYS™) (new standard): 10/18/2017

ANSI/SCTE 240-2017, SCTE Test Procedures for Testing CWDM Systems in Cable Telecommunications Access Networks (new standard): 10/18/2017

### ***Revision***

ANSI/SCTE 20-2017, Methods for Carriage of CEA-608 Closed Captions and Non-Real Time Sampled Video (revision of ANSI/SCTE 20-2012): 10/18/2017

ANSI/SCTE 21-2017, Standard for Carriage of VBI Data in Cable Digital Transport Streams (revision of ANSI/SCTE 21-2012): 10/18/2017

ANSI/SCTE 23-2-2017, DOCSIS 1.1 Part 2: Baseline Privacy Plus Interface (revision of ANSI/SCTE 23-2-2012): 10/18/2017

ANSI/SCTE 24-23-2017, BV32 Speech Codec Specification for Voice over IP Applications in Cable Telephony (revision of ANSI/SCTE 24-23-2012): 10/18/2017

ANSI/SCTE 25-1-2017, Hybrid Fiber Coax Outside Plant Status Monitoring - Physical (PHY) Layer Specification v1 (revision of ANSI/SCTE 25-1-2008): 10/20/2017

ANSI/SCTE 25-2-2017, Hybrid Fiber Coax Outside Plant Status Monitoring - Media Access Control (MAC) Layer Specification v1.0 (revision of ANSI/SCTE 25-2-2008): 10/20/2017

ANSI/SCTE 26-2017, Home Digital Network Interface Specification with Copy Protection (revision of ANSI/SCTE 26-2010): 10/18/2017

ANSI/SCTE 45-2017, Test Method for Group Delay (revision of ANSI/SCTE 45-2012): 10/18/2017

ANSI/SCTE 48-3-2017, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell (revision of ANSI/SCTE 48-3-2011): 10/18/2017

ANSI/SCTE 87-2017, Graphic Symbols for Cable Systems (revision and redesignation of ANSI/SCTE 87-1-2008): 10/20/2017

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

### ***Reaffirmation***

ANSI/UL 60079-0-2013 (R2017), Standard for Safety for Explosive Atmospheres - Part 0: Equipment - General Requirements (Proposal dated 08-18-17) (reaffirmation of ANSI/UL 60079-0-2013): 10/20/2017

### ***Revision***

ANSI/UL 448-2017, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2016): 10/19/2017

ANSI/UL 486D-2017, Standard for Safety for Sealed Wire Connector Systems (revision of ANSI/UL 486D-2015): 10/20/2017

\* ANSI/UL 778-2017e, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2017): 10/20/2017

\* ANSI/UL 1081-2017b, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017): 10/20/2017

\* ANSI/UL 1081-2017c, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017): 10/20/2017

\* ANSI/UL 1081-2017d, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2017): 10/20/2017

ANSI/UL 1240-2017, Standard for Safety for Electric Commercial Clothes-Drying Equipment (Proposal dated 7-28-17) (revision of ANSI/UL 1240-2012): 10/20/2017

\* ANSI/UL 1563-2017a, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (revision of ANSI/UL 1563-2017): 10/20/2017

ANSI/UL 2775-2017a, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017): 10/19/2017

ANSI/UL 2775-2017b, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017): 10/19/2017

# 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. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit [www.NSSN.org](http://www.NSSN.org), which is a database of standards information. Note that this database is not exhaustive.

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.

## ABYC (American Boat and Yacht Council)

**Office:** 613 Third Street, Suite 10  
Annapolis, MD 21403

**Contact:** Lynn Lipsey

**E-mail:** [llipsey@abycinc.org](mailto:llipsey@abycinc.org)

- \* BSR/ABYC A-22-201x, Marine Compressed Natural Gas (CNG) Systems (revision of ANSI/ABYC A-22-2012)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with marine compressed natural gas (CNG) systems.

This standard is a guide for the design, manufacture, installation, and maintenance of compressed natural gas (CNG) systems on boats.

- \* BSR/ABYC A-26-201x, LPG and CNG Fueled Appliances (revision of ANSI/ABYC A-26-2012)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with LPG- and CNG-fueled appliances.

This standard is a guide for the design, construction, installation, and maintenance of LPG- and CNG-fueled appliances.

## APA (APA - The Engineered Wood Association)

**Office:** 7011 South 19th Street  
Tacoma, WA 98466

**Contact:** Borjen Yeh

**Fax:** (253) 565-7265

**E-mail:** [borjen.yeh@apawood.org](mailto:borjen.yeh@apawood.org)

- \* BSR/APA PRG 320-201x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2017)

Stakeholders: Cross-laminated timber manufacturers, distributors, designers, users, building code regulators, and government agencies.

Project Need: Update the existing standard.

Covers the manufacturing, qualification, quality assurance, and installation requirements for cross-laminated timber products.

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
Saint Joseph, MI 49085

**Contact:** Jean Walsh

**Fax:** (269) 429-3852

**E-mail:** [walsh@asabe.org](mailto:walsh@asabe.org)

BSR/ASABE EP653 MONYEAR-201x, Recommended Practice for Heating, Ventilation and Air Conditioning (HVAC) Products Used in Indoor Plant Growth and Development (new standard)

Stakeholders: HVAC, lighting and security system equipment manufacturers, indoor growing and controlled-environment chamber manufacturers, testing labs, plant growers, research organizations.

Project Need: Currently no guidance for indoor growers regarding HVAC installation and design.

This engineering practice will provide recommendation and guidelines to calculate energy-saving benefits, security and performance characteristics for HVAC products used for indoor plant growth facilities, and plant development in a controlled environment.

## ASME (American Society of Mechanical Engineers)

**Office:** Two Park Avenue  
New York, NY 10016

**Contact:** Mayra Santiago

**Fax:** (212) 591-8501

**E-mail:** [ansibox@asme.org](mailto:ansibox@asme.org)

- \* BSR/ASME B107.110-201x, Socket Wrenches (revision of ANSI/ASME B107.110-2012)

Stakeholders: Manufacturers, users, and distributors of torque instruments. In addition, regulatory authorities who adopt this standard. Project Need: Revised to reflect latest industry practices.

This Standard provides performance and safety requirements for socket wrenches (sockets), handles used with these wrenches, nutdrivers, and attachments used with socket wrenches, collectively referred to as "tools" in this standard.

**ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact:** Corice Leonard

**Fax:** (610) 834-3683

**E-mail:** accreditation@astm.org

BSR/ASTM WK60770-201x, New Test Method for Standard Test for Thermal Stability of Infill Material Used in Artificial Turf Sports Fields and Playgrounds (new standard)

Stakeholders: Artificial Turf Surfaces and Systems industry.

Project Need: This Test Method may be used to determine the thermal stability and suitability of an infill material to be used in a given climate. It can be used for both natural and synthetic infill materials.

<https://www.astm.org/DATABASE.CART/WORKITEMS/WK60770.htm>

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

**Office:** 18927 Hickory Creek Drive  
Suite 220  
Mokena, IL 60448

**Contact:** Marianne Waickman

**Fax:** (708) 479-6139

**E-mail:** marianne.waickman@asse-plumbing.org

BSR/ASSE Series 6000-201x, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2015)

Stakeholders: Medical Gas Systems inspectors, verifiers, installers, and maintenance workers as well as contractors, medical professionals and the general public.

Project Need: With the latest revision of ANSI/NFPA 99-2018 Health Care Facilities Code, we need to update the Series 6000 with the changes.

This standard establishes uniform minimum requirements for qualified Medical Gas Systems Installers, Medical Gas Systems Inspectors, Medical Gas Systems Verifiers, Medical Gas Systems Maintenance Personnel, Medical Gas Systems Instructors, Bulk Medical Gas Systems Installers, Bulk Medical Gas Systems Verifiers, and Bulk Medical Gas Systems Instructors. In addition, these standards give uniform requirements for third-party certifiers so that individuals can be certified to these standards.

**IICRC (The Institute of Inspection, Cleaning and Restoration Certification)**

**Office:** 4043 South Eastern Avenue  
Las Vegas, NV 89119

**Contact:** Mili Washington

**Fax:** (360) 693-4858

**E-mail:** mwwashington@iicrcnet.org

BSR/IICRC S700-201x, Standard for Professional Fire and Smoke Damage Restoration (new standard)

Stakeholders: Anyone who performs structural cleaning or restoration; the Property, Casualty, and Liability Insurance industry; brokers and agents who write property, casualty, and liability policies; consumers who require the services described by this standard; anyone who represents an insured or holds a lien on property damaged by fire and smoke.

Project Need: The Fire and Smoke Cleaning and Restoration industry does not currently have industry consensus standards on the proper principles, methods, and processes to clean and restore fire- and smoke-damaged structures. There is a lack of consistent guidance on the scoping, evaluation, cleaning, and restoration of these structures. This inconsistency leads to potential safety and health concerns, as well as a potential waste of millions of dollars in insurance proceeds.

This standard will provide a specific set of practical principles, methods, and processes for the restoration of fire- and smoke-damaged structural materials, assemblies, and systems. The standard will cover the entire process of evaluation, mitigation, cleaning, and restoration. In addition, this standard will cover: scope development, temporary structures and repairs, engineering controls, proper cleaning methods and processes, and proper chain-of-custody documentation of the property being restored.

BSR/IICRC S740-201x, Standard for Professional Restoration of Fire and Smoke Damaged Personal Items (new standard)

Stakeholders: Anyone who performs structural cleaning or restoration; the Property, Casualty, and Liability Insurance industry; brokers and agents who write property, casualty, and liability policies; consumers who require the services described by this standard; anyone who represents an insured or holds a lien on property damaged by fire and smoke.

Project Need: The Fire and Smoke Cleaning and Restoration industry does not currently have industry consensus standards on the proper principles, methods, and processes to evaluate and restore fire- and smoke-damaged contents. There is a lack of consistent guidance on the evaluation, or restoration of these contents. This inconsistency leads to potential safety and health concerns, as well as a potential waste of millions of dollars in insurance proceeds. An ANSI standard would provide guidance and safer work environments.

This standard will provide a specific set of practical principles, methods, and processes to evaluate and restore fire and smoke damaged porous and non-porous personal items, commonly known as contents or personal property. This standard will also establish methods and processes to document the chain-of-custody of these items, including: inventory, packing, storage, cleaning, verification, and return to the customer. In addition, this standard will outline the proper handling, storage, and care for these items.

**ISA (ASC Z133) (International Society of Arboriculture)**

**Office:** P.O. Box 3129  
Champaign, IL 61826-3129

**Contact:** *Tricia Duzan*

**Fax:** (217) 355-9516

**E-mail:** tduzan@isa-arbor.com

BSR Z133-201x, Standard for Arboricultural Operations: Safety Requirements (revision of ANSI Z133-2017)

Stakeholders: Employers engaged in pruning, repairing, maintaining, and removing trees; cutting brush; or performing pest or soil management related to tree care who hire one or more persons to perform such work. Other stakeholders would include contractors of such services and manufacturers and suppliers of equipment used in the provision of those services.

Project Need: Periodic revision of standard.

This standard contains arboriculture safety requirements for pruning, repairing, maintaining, and removing trees; cutting brush; and for using equipment in such operations.

**TAPPI (Technical Association of the Pulp and Paper Industry)**

**Office:** 15 Technology Parkway South  
Peachtree Corners, GA 30092

**Contact:** *Laurence Womack*

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 437 om-2012 (R201x), Dirt in paper and paperboard (reaffirmation of ANSI/TAPPI T 437 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 revise it if needed to address new technology or correct errors.

This method is a visual inspection method for the evaluation of the Equivalent Black Area (EBA) measurement of dirt in paper and paperboard. An equivalent instrumental method using image analysis for the measurement of dirt in pulp, paper, and paperboard in units of parts per million is given in TAPPI T 563 "Equivalent Black Area (EBA) and count of visible dirt in paper and paperboard by image analysis." T 537 "Dirt count in paper and paperboard (optical character recognition - OCR)" reports the number of specks of 0.02 mm<sup>2</sup> or larger per square meter.

# 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](http://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](http://www.ansi.org/publicreview)

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at [psa@ansi.org](mailto: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](mailto:standact@ansi.org).

<p><b>AAMI</b> Association for the Advancement of Medical Instrumentation 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>HL7</b> Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: <a href="http://www.hl7.org">www.hl7.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-3813 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>
<p><b>ABYC</b> American Boat and Yacht Council 613 Third Street, Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: <a href="http://www.abycinc.org">www.abycinc.org</a></p>	<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>IAPMO (ASSE Chapter)</b> ASSE International Chapter of IAPMO 18927 Hickory Creek Drive Suite 220 Mokena, IL 60448 Phone: (708) 995-3015 Fax: (708) 479-6139 Web: <a href="http://www.asse-plumbing.org">www.asse-plumbing.org</a></p>	<p><b>PMI (Organization)</b> Project Management Institute 14 Campus Blvd Newtown Square, PA 19073-3299 Phone: (313) 404-3507 Fax: (610) 356-4647 Web: <a href="http://www.pmi.org">www.pmi.org</a></p>
<p><b>ACCA</b> Air Conditioning Contractors of America 2800 Shirlington Road Suite 300 Arlington, VA 22206 Phone: (703) 824-8868 Web: <a href="http://www.acca.org">www.acca.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>IICRC</b> the Institute of Inspection, Cleaning and Restoration Certification 4043 South Eastern Avenue Las Vegas, NV 89119 Phone: (702) 850-2710 Fax: (360) 693-4858 Web: <a href="http://www.thecleantrust.org">www.thecleantrust.org</a></p>	<p><b>RVIA</b> Recreational Vehicle Industry Association 1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (703) 620-6003 Web: <a href="http://www.rvia.org">www.rvia.org</a></p>
<p><b>AIAA</b> American Institute of Aeronautics and Astronautics 12700 Sunrise Valley Drive, Suite 200 Reston, VA 20191-5807 Phone: (703) 264-7546 Web: <a href="http://www.aiaa.org">www.aiaa.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>ISA (ASC Z133)</b> International Society of Arboriculture P.O. Box 3129 Champaign, IL 61826-3129 Phone: (217) 355-9411 Fax: (217) 355-9516 Web: <a href="http://www.isa-arbor.com">www.isa-arbor.com</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Road Exton, PA 19341-1318 Phone: (484) 252-2330 Web: <a href="http://www.scte.org">www.scte.org</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: <a href="http://www.ans.org">www.ans.org</a></p>	<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>ISA (Organization)</b> International Society of Automation 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9213 Fax: (919) 549-8288 Web: <a href="http://www.isa.org">www.isa.org</a></p>	<p><b>TAPPI</b> 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: <a href="http://www.tappi.org">www.tappi.org</a></p>
<p><b>APA</b> APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Fax: (253) 565-7265 Web: <a href="http://www.apawood.org">www.apawood.org</a></p>	<p><b>AWWA</b> American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: <a href="http://www.awwa.org">www.awwa.org</a></p>	<p><b>NEMA (ASC C12)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3227 Fax: (703) 841-3327 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Fax: (703) 907-7727 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>ASA (ASC S1)</b> Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: <a href="http://www.acousticalsociety.org">www.acousticalsociety.org</a></p>	<p><b>EOS/ESD</b> ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: <a href="http://www.esda.org">www.esda.org</a></p>	<p><b>NEMA (ASC C137)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3277 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096 Phone: (847) 664-3416 Fax: (847) 313-3416 Web: <a href="http://www.ul.com">www.ul.com</a></p>





# ISO & IEC Draft International Standards

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

## Comments

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

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

## Ordering Instructions

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

## ISO Standards

### ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 28360-1, Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 1: Using-consumables - 1/12/2018, \$119.00

## IEC Standards

3D/302/CD, IEC 62656-8 ED1: Standardized product ontology register and transfer by data parcels - Part 8: Web service interface for data parcels, /2017/12/1

18/1594/CDV, IEC 60092-302-2 ED1: Electrical installations in ships - Part 302-2: Marine Power switchgear and controlgear assemblies, 2018/1/12

20/1767/CD, IEC 63075 ED1: Superconducting AC power cables and their accessories for rated voltages from 6 kV to 500 kV - Test methods and requirements, 2018/1/12

21A/642/CD, IEC 63056 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems, /2017/12/1

21A/641/CD, IEC 63118 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium batteries for use in road vehicles not for the propulsion, /2017/12/1

21A/643/CD, IEC 63057 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium batteries for use in road vehicles not for the propulsion, /2017/12/1

34B/1940/CD, IEC 60061-3/AMD56 ED3: Amendment 56 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges, 2018/1/12

34B/1939/CD, IEC 60061-1/AMD59 ED3: Amendment 59 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps, 2018/1/12

40/2557(F)/CDV, IEC 61051-1 ED3: Varistors for use in electronic equipment - Part 1: Generic specification, /2017/12/2

45B/882/FDIS, IEC 62327 ED2: Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the estimation of ambient dose equivalent rate from photon radiation, 2017/12/1

45B/881/FDIS, IEC 62401 ED2: Radiation protection instrumentation - Alarming personal radiation devices (PRDs) for the detection of illicit trafficking of radioactive material, 2017/12/1

46F/394/NP, PNW 46F-394: Radio-Frequency-Connectors, Part XX: Sectional specification for RF coaxial connectors with 5mm inner diameter of outer conductor, with screw- and snap-on coupling, 50 Ohm characteristic impedance, for use up to 6 GHz - Type 2,2-5, 2018/1/12

47/2415(F)/CDV, IEC 62951-4 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 4: Fatigue evaluation for films and substrates for flexible semiconductor devices, /2017/12/1

48D/652/CDV, IEC 60297-3-110 ED1: Mechanical structures for electrical and electronic equipment -Dimensions of mechanical structures of the 482,6 mm (19 in) Series - Part 110: Residential racks and cabinets for smart houses, 2018/1/12

49/1248/CDV, IEC 62884-3 ED1: Measurement techniques of piezoelectric, dielectric and electrostatic oscillators - Part 3: Frequency aging test methods, 2018/1/12

59L/149/CDV, IEC 60879 ED2: Comfort fans and regulators for household and similar purposes - Methods for measuring performance, 2018/1/12

77A/983/CD, IEC TR 61000-1-8 ED1: EMC - Part 1-8: Phase angles of harmonic current emissions and voltages in the public supply networks, and future expectation, 2018/1/12

77B/788/CD, IEC 61000-4-20 ED3: Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides, 2018/1/12

82/1355/CD, IEC 60904-4 ED2: Photovoltaic devices - Part 4: Reference solar devices - Procedures for establishing calibration traceability, 2018/1/12

82/1356/DC, Proposed Amendment 1 to IEC 61853-2 ED1 (2016): Photovoltaic (PV) module performance testing and energy rating - Part 2: Spectral responsivity, incidence angle and module operating temperature measurements, /2017/12/1

82/1357/NP, PNW TS 82-1357: Electroluminescence of photovoltaic cells, 2018/1/12

82/1358/NP, PNW 82-1358: Measurement procedures for materials used in photovoltaic modules - Part 1-1: Polymeric materials used for encapsulants, 2018/1/12

- 86B/4104/CD, IEC 61300-3-7 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components, /2017/12/1
- 100/3005/DC, ISO/IEC TS 22424 series Information Technology - Digital publishing - EPUB 3 Preservation, /2017/12/2
- 100/3004/DC, IEC 60268-5 Ed.3.1 Sound system equipment - Part 5: Loudspeakers (GMT), 2017/12/1
- 104/759/FDIS, IEC 60068-3-5 ED2: Environmental testing - Part 3-5: Supporting documentation and guidance - Confirmation of the performance of temperature chambers, 2017/12/1
- 104/760/FDIS, IEC 60068-3-6 ED2: Environmental testing - Part 3-6: Supporting documentation and guidance - Confirmation of the performance of temperature/humidity chambers, 2017/12/1
- 121A/175/CD, IEC 60947-5-8/AMD1 ED1: Low-voltage switchgear and controlgear - Part 5-8: Control circuit devices and switching elements - Three-position enabling switches, 2018/1/12



# 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](http://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 22560:2017](#), Information technology - Sensor networks - Use cases of aeronautics industry: Active Air-flow Control, \$185.00

[ISO/IEC TR 23002-6:2017](#), Information technology - MPEG video technologies - Part 6: Tools for reconfigurable media coding implementations, \$209.00

#### ACOUSTICS (TC 43)

[ISO 16283-1/Amd1:2017](#), Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation - Amendment 1, \$19.00

#### AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 11746/Amd1:2017](#), Rice - Determination of biometric characteristics of kernels - Amendment 1, \$19.00

#### AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 18322:2017](#), Space systems - General management requirements for space test centres, \$138.00

#### APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 28598-2:2017](#), Acceptance sampling procedures based on the allocation of priorities principle (APP) - Part 2: Coordinated single sampling plans for acceptance sampling by attributes, \$209.00

#### DENTISTRY (TC 106)

[ISO 14457:2017](#), Dentistry - Handpieces and motors, \$162.00

#### FINE CERAMICS (TC 206)

[ISO 19634:2017](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Ceramic composites - Notations and symbols, \$103.00

#### FLUID POWER SYSTEMS (TC 131)

[ISO 18237:2017](#), Hydraulic fluid power - Method for evaluating water separation performance of dehydrators, \$103.00

#### GAS TURBINES (TC 192)

[ISO 18888:2017](#), Gas turbine combined cycle power plants - Thermal performance tests, \$209.00

#### HEALTH INFORMATICS (TC 215)

[ISO 11615:2017](#), Health informatics - Identification of medicinal products - Data elements and structures for the unique identification and exchange of regulated medicinal product information, \$209.00

[ISO 11616:2017](#), Health informatics - Identification of medicinal products - Data elements and structures for unique identification and exchange of regulated pharmaceutical product information, \$162.00

#### INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 16300-3:2017](#), Automation systems and integration - Interoperability of capability units for manufacturing application solutions - Part 3: Verification and validation of interoperability among capability units, \$138.00

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

[ISO 35101:2017](#), Petroleum and natural gas industries - Arctic operations - Working environment, \$185.00

#### MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 16063-33:2017](#), Methods for the calibration of vibration and shock transducers - Part 33: Testing of magnetic field sensitivity, \$103.00

#### PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

[ISO 505:2017](#), Conveyor belts - Method for the determination of the tear propagation resistance of textile conveyor belts, \$45.00

#### SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 20957-8:2017](#), Stationary training equipment - Part 8: Steppers, stairclimbers and climbers - Additional specific safety requirements and test methods, \$103.00

[ISO 20957-10:2017](#), Stationary training equipment - Part 10: Exercise bicycles with a fixed wheel or without freewheel - Additional specific safety requirements and test methods, \$68.00

#### TEXTILES (TC 38)

[ISO 105-B03:2017](#), Textiles - Tests for colour fastness - Part B03: Colour fastness to weathering: Outdoor exposure, \$68.00

#### WATER QUALITY (TC 147)

[ISO 19340:2017](#), Water quality - Determination of dissolved perchlorate - Method using ion chromatography (IC), \$138.00

#### WELDING AND ALLIED PROCESSES (TC 44)

[ISO 5175-1:2017](#), Gas welding equipment - Safety devices - Part 1: Devices incorporating a flame (flashback) arrestor, \$103.00

[ISO 5175-2:2017](#), Gas welding equipment - Safety devices - Part 2: Devices not incorporating a flame (flashback) arrestor, \$68.00

## ISO Technical Specifications

### HEALTH INFORMATICS (TC 215)

[ISO/TS 20443:2017](#), Health informatics - Identification of medicinal products - Implementation guidelines for ISO 11615 data elements and structures for the unique identification and exchange of regulated medicinal product information, \$232.00

[ISO/TS 20451:2017](#), Health informatics - Identification of medicinal products - Implementation guidelines for ISO 11616 data elements and structures for the unique identification and exchange of regulated pharmaceutical product information, \$185.00

### NON-DESTRUCTIVE TESTING (TC 135)

[ISO/TS 16829:2017](#), Non-destructive testing - Automated ultrasonic testing - Selection and application of systems, \$162.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 8824-1/Cor1:2017](#), Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation - Corrigendum, FREE

[ISO/IEC 8825-7/Cor1:2017](#), Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER) - Corrigendum, FREE

[ISO/IEC 19592-2:2017](#), Information technology - Security techniques - Secret sharing - Part 2: Fundamental mechanisms, \$138.00

[ISO/IEC 30134-4:2017](#), Information technology - Data centres - Key performance indicators - Part 4: IT Equipment Energy Efficiency for servers (ITEEsv), \$68.00

[ISO/IEC 29167-10:2017](#), Information technology - Automatic identification and data capture techniques - Part 10: Crypto suite AES-128 security services for air interface communications, \$209.00

## IEC Standards

### LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62554 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Sample preparation for measurement of mercury level in fluorescent lamps, \$12.00

[IEC 62554 Ed. 1.1 b:2017](#), Sample preparation for measurement of mercury level in fluorescent lamps, \$235.00

[IEC 62838 Ed. 1.0 b cor.1:2017](#), Corrigendum 1 - LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a. c. r.m.s. or 120 V ripple free d.c. - Safety specifications, \$0.00

### MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 61097-3 Ed. 2.0 en:2017](#), Global maritime distress and safety system (GMDSS) - Part 3: Digital selective calling (DSC) equipment - Operational and performance requirements, methods of testing and required test results, \$410.00

### SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-12 Amd.2 Ed. 5.0 en:2017](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances, \$23.00

[IEC 60335-2-12 Ed. 5.2 en:2017](#), Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances, \$152.00

[IEC 60335-2-52 Amd.2 Ed. 3.0 en:2017](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances, \$12.00

[IEC 60335-2-52 Ed. 3.2 en:2017](#), Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances, \$94.00

### TERMINOLOGY (TC 1)

[IEC 60050-161 Amd.7 Ed. 1.0 b:2017](#), Amendment 7 - International electrotechnical vocabulary - Part 161: Electromagnetic compatibility, \$12.00

## IEC Technical Reports

### INSULATING MATERIALS (TC 15)

[IEC/TR 60893-4 Ed. 2.1 en:2017](#), Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 4: Typical values, \$586.00

### LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC/TR 61547-1 Ed. 2.0 en:2017](#), Equipment for general lighting purposes - EMC immunity requirements - Part 1: An objective light flickermeter and voltage fluctuation immunity test method, \$235.00

### POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TR 61850-90-10 Ed. 1.0 en:2017](#), Communication networks and systems for power utility automation - Part 90-10: Models for scheduling, \$281.00

## IEC Technical Specifications

### ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

[IEC/TS 60479-2 Ed. 4.0 en:2017](#), Effects of current on human beings and livestock - Part 2: Special aspects, \$317.00

[S+ IEC/TS 60479-2 Ed. 4.0 en:2017 \(Redline version\)](#), Effects of current on human beings and livestock - Part 2: Special aspects, \$412.00

# Registration of Organization Names in the United States

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

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

## PUBLIC REVIEW

ORSUS

Public Review: August 11 to November 9, 2017

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge.

A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

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

# Information Concerning

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## American National Standards

### Call for Members

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

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

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

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

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

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

## Society of Cable Telecommunications

### ANSI Accredited Standards Developer

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

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

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

## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### ASC AGRSS – Auto Glass Safety Council's AGRSS Standards Committee

The reaccreditation of Accredited Standards Committee AGRSS, Auto Glass Safety Council's AGRSS Standards Committee, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC AGRSS-sponsored American National Standards, effective October 20, 2017. For additional information, please contact the Secretariat of ASC AGRSS: Ms. Kathy Bimber; Director of Operations, Auto Glass Safety Council, 385 Garrisonville Road, Suite 116, Stafford, VA 22554; phone: 540.720.7484; e-mail: [KBimber@glass.com](mailto:KBimber@glass.com).

### Reaccreditation

#### SAE International

#### Comment Deadline: November 27, 2017

SAE International, an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited SAE International Technical Standards Board Governance Policy for documenting consensus on SAE International-sponsored American National Standards, under which it was last reaccredited in 2013. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Jack Pokrzywa, Director, Global Ground Vehicle Standards, SAE International, 755 Big Beaver Road, Suite 1600, Troy, MI 48084; phone: 248.273.2455; e-mail: [Jack.Pokrzywa@sae.org](mailto:Jack.Pokrzywa@sae.org). You may view/download a copy of the revisions during the public review period at the following URL: [www.ansi.org/accredPR](http://www.ansi.org/accredPR). Please submit any public comments on the revised procedures to SAE International by November 27, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office ([jthomps@ANSI.org](mailto:jthomps@ANSI.org)).

### Withdrawal of ASD Accreditation

#### International Association of Movers (IAM)

The International Association of Movers (IAM) has requested the formal withdrawal of its accreditation as a developer of American National Standards. Consequently, as every American National Standard (ANS) must have an accredited sponsor, the following IAM-sponsored standard is withdrawn as ANS:

ANSI/HHGFAA NCC 2008-001-2010: Numeric Codification of Contents for Electronic Inventories and Manifests of Household Goods and Personal Effects Shipments

These actions are taken, effective October 24, 2017. For additional information, please contact: Mr. Brian Limperopulos, Director, Programs, International Association of Movers, 5904 Richmond Highway, Suite 404, Alexandria, VA 22303-1864; phone: 703.317.9950; e-mail: [BrianL@iamovers.org](mailto:BrianL@iamovers.org).



## International Organization for Standardization (ISO)

### Call for U.S. TAG Administrator

#### ISO/TC 279 – Innovation management

ANSI has been informed that the American Society for Quality (ASQ), the ANSI-accredited U.S. TAG Administrator for ISO/TC 279, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 279 operates under the following scope:

Standardization of terminology tools and methods and interactions between relevant parties to enable innovation.

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

### ISO New Work Item Proposal

#### Water efficient products – Banding

#### Comment Deadline: December 8, 2017

Standards Australia, the ISO member body for Australia, has submitted to ISO a new work item proposal for the development of an ISO standard on Water efficient products - Banding, with the following scope statement:

To develop an international standard for Water Efficient Products – Test Requirements, Water Efficiency Banding to indicate water efficiency of water-using fittings and appliances, for consumer labelling and other purposes, based on relevant standards and requirements from Australia and supporting countries and other ISO members' national standards.

The scope of the ISO standard will cover the following:

- Water efficiency bandings for the specified plumbing products and appliances.
- Key test requirements for individual plumbing products and appliances and determination to derive a water efficiency banding

The ISO band classification table can be added to each country's own water efficiency label design.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 8, 2017.

## U.S. Technical Advisory Groups

### Application for Accreditation

#### U.S. TAG to ISO/IEC/JTC 1 SC 34 – Document Description and Processing Languages

#### Comment Deadline: November 27, 2017

The National Information Standards Organization (NISO) has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO/IEC/JTC 1 SC 34, Document description and processing languages and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Mr. Todd A. Carpenter, Executive Director, National Information Standards Organization, 3600 Clipper Mill Road, Suite 302, Baltimore, MD 21212; phone: 301.654.2512; e-mail: [tcarpenter@niso.org](mailto:tcarpenter@niso.org) (please copy [jthompo@ansi.org](mailto:jthompo@ansi.org)) by November 27, 2017.

# Information Concerning

## International Organization for Standardization (ISO)

Call for U.S. Participation at ISO/TC 135 – *Non-destructive testing*

U.S. TAG Meeting Date: October 31, 2017

Please be advised that the [American Society for Nondestructive Testing](#) (ASNT), the ANSI-accredited U.S. TAG Administrator for ISO/TC 135, invites participants to attend the first open committee meeting to be held in conjunction with the ASNT Annual Conference as follows:

### 2017 ASNT Annual Conference

**Location:** Gaylord Opryland Resort and Convention

2800 Opryland Drive  
Nashville, TN 37214

**Room:** Belle Meade CD

**Committee Meeting:** ISO TC-135/ US TAG

**Committee Contact:** James Bennett, [jbennett@asnt.org](mailto:jbennett@asnt.org)

**Date:** 10/31/2017

**Start Time:** 10:30:00 AM

**End Time:** 12:30:00 PM

**This will be an open meeting.**

All U.S. stakeholder organizations in relevant fields and industries are strongly encouraged to join NDT professionals in the U.S. to review and comment on proposed international NDT standards. Lend your voice to the consortium that will promote the U.S. consensus position on NDT matters to the world.

ISO/TC 135 operates under the following scope:

*Standardization covering non-destructive testing as applied generally to constructional materials, components and assemblies, by means of:*

- *glossary of terms;*
- *methods of test;*
- *performance specifications for testing equipment and ancillary apparatus.*

*Excluded:*

- *quality levels;*
- *specifications for electrical equipment and apparatus, which fall within the range of IEC Committees.*

Organizations interested in participating in this meeting should contact the U.S. TAG Administrator, James Bennett ([jbennett@asnt.org](mailto:jbennett@asnt.org)).



# Information Concerning

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

### ISO/TC 69/SC 1 – Terminology and Symbols

### Reply Deadline: November 13, 2017

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 69/SC 1 – *Terminology and symbols*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 69/SC 1 to the American Society for Quality (ASQ). ASQ has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 69/SC 1 operates under the following scope:

*Development of standards related to Terminology and symbols within the scope of ISO/TC 69:*

*Standardization in the application of statistical methods, including generation, collection (planning and design), analysis, presentation and interpretation of data.*

*Note: ISO Council, by Council Resolution 12/1959 and Council Resolution 26/1961 has entrusted ISO/TC 69 with the function of advisor to all ISO technical committees in matters concerning the application of statistical methods in standardization.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 69/SC 1. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 69/SC 1 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by November 13, 2017, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

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

NSF Standard  
for Sustainability —

## Sustainability assessment for commercial furnishings fabric

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### 2 Normative references and tools

The following documents contain provisions that, through reference, constitute provisions of this NSF Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. Additional information on use of this Standard is provided in Annex A.

#### 2.1 Normative references

ASTM 6400-04 **12**. *Standard Specification for Compostable Plastics*.<sup>1</sup>

ASTM D6868-03. *Specification for Biodegradable Plastics Used as Coatings on Paper and Other Compostable Substrates*.<sup>1</sup>

Collaborative for High Performance Schools, Section 01350: Special Environmental Requirements Specification.<sup>2</sup>

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<sup>1</sup> ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2859 <www.astm.org>.

<sup>2</sup> Collaborative for High Performance Schools (CHPS), 142 Minna Street, Second floor, San Francisco, CA 94105 <www.chps.net>.

Tracking #336i2r1

Revision to NSF 336

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European Union Regulation (EC) 648/2004 ~~2016~~ of 31 March ~~2004~~ ~~2016~~ on detergents.<sup>3</sup>

European Commission DG ENV, Final report, M0355008/1786Q/10/11/00. *Towards the establishment of a priority list of substances for further evaluation of their role in endocrine disruption* – Annex 15. 10 November 2000.<sup>4</sup>

European Union Council Directive 67/548/EEC of ~~27 June 1967~~ ~~February 2010~~ on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.<sup>4</sup>

International Labour Organisation, *Basics of Chemical Safety* – Annex 2, Risk Phrases.<sup>5</sup>

German Research Foundation (DFG), *The MAK-Collection for Occupational Health and Safety*.<sup>6</sup>

OECD, *OECD Guidelines for the Testing of Chemicals*, Section 3: Degradation and Accumulation, Test No. 301: Ready Biodegradability, May 1996.<sup>7</sup>

Maplecroft Global map of human rights risk.<sup>8</sup>

Social Accountability International, *SA8000*. ~~2008~~ ~~2014~~.<sup>9</sup>

State of California Environmental Protection Agency. *Safe Drinking Water and Toxic Enforcement Act of 1986*.<sup>10</sup>

United Nations Economic Commission for Europe (UNECE). *Globally Harmonized System for Classification and Labeling*, Part 3: Health and Environmental Hazards.<sup>11</sup>

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<sup>3</sup> Publications Office of the European Union, 2, rue Mercier, L-2985 Luxembourg <<http://eur-lex.europa.eu>>.

<sup>4</sup> European Commission, Environment, DG, B - 1049 Brussels, Belgium <[www.ec.europa.eu/environment](http://www.ec.europa.eu/environment)>.

<sup>5</sup> International Labor Organisation (ILO), CH-1211 Geneva 22, Switzerland <[www.ilo.org](http://www.ilo.org)>.

<sup>6</sup> Deutsche Forschungsgemeinschaft (DFG), Kennedyallee 40, 53175 Bonn <[www.dfg.de/en/](http://www.dfg.de/en/)>.

<sup>7</sup> Organization for Economic Cooperation and Development (OECD), 2 Rue Andre-Pascal, 75775 Paris Cedex 16, France <[www.oecd.org](http://www.oecd.org)>.

<sup>8</sup> Maplecroft, The Towers, St Stephen's Road, Bath, BA1 5JZ United Kingdom <[www.maplecroft.com](http://www.maplecroft.com)>.

<sup>9</sup> Social Accountability International (SAI), 220 east 23rd Street Suite 605, New York NY, 10010 <[www.sa-intl.org](http://www.sa-intl.org)>.

<sup>10</sup> California Office of Environmental Health Hazard Assessment, PO Box 4010, Sacramento, CA 95812-4010 <[www.oehha.ca.gov](http://www.oehha.ca.gov)>.

<sup>11</sup> United Nations Economic Commission for Europe, Information Service (UNECE), Palais des Nations, CH - 1211 Geneva 10, Switzerland <[www.unece.org](http://www.unece.org)>.

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US Environmental Protection Agency (USEPA) Office of Prevention, Pesticides and Toxic Substances. OPPTS 835.3110, *Ready biodegradability*.<sup>12</sup>

US Environmental Protection Agency (USEPA). *2012 Guidelines establishing test procedures for the analysis of pollutants*, 40 CFR PART 136.<sup>12</sup>

US Environmental Protection Agency (USEPA), *Method 1631: Measurement of Mercury in Water*.<sup>12</sup>

US Environmental Protection Agency (USEPA), *Method 1669: Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels*<sup>12</sup>

US Environmental Protection Agency (USEPA), Clean Water Act, Section 307, *Status Report: State Numerical Water Quality Criteria for Toxics*, January 1992.<sup>12</sup>

US Environmental Protection Agency (USEPA), Clean Water Act, Section 307, *Priority Pollutants*<sup>12</sup>

US Environmental Protection Agency (USEPA), Clean Air Act (CAA), 2004.<sup>12</sup>

US Environmental Protection Agency (USEPA), *Resource Conservation and Recovery Act (RCRA)*, 40 CFR Parts 239 through 259.<sup>12</sup>

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<sup>12</sup> United States Environmental Protection Agency (USEPA), 1200 Pennsylvania Avenue, N.W. Washington, DC 20460 <[www.epa.gov](http://www.epa.gov)>.

10/4/2017

## 2018 ANSI/RVIA EGS-1 Code Change Proposals

~~5.5.2.6 Wiring and cables shall not that may be exposed to drippage of fuel, oil, or grease, or other materials, that might drip on or contact the wiring and degrade the electrical and shall not be supported on oil or grease retaining surfaces unless insulation shall have insulation, or other protection, that is approved for use the application, is provided with exposure to these chemicals.~~

~~Exception: Wires exposed to fuel or oil because they are connected to fuel or oil components (i.e. carburetors, fuel pumps, pressure gauges, etc.) may be used if the installation of the wire is fuel or oil resistant.~~

**5.12.3 Short Circuit Test.** A short circuit test shall be conducted by creating a short circuit with a knife switch or electric contactor that is connected to the generator set's AC output leads. (Note: For three phase generators, the line to line short shall be applied between all three phases simultaneously). Where AC output leads are not provided as part of the generator set, the short circuit test shall be conducted with test leads that are no more than 10 feet in length and that are sized for the rated current of the generator. (Reference NEC Table 310-16.15(B)(16)). A generator shall not emit flame or molten metal or create a risk of fire or electric shock. This test shall continue until stabilization or the unit stops, but not to exceed one hour.

**5.15.1.6 Fuel-line tubing fittings shall be made of steel or copper alloy, and shall be made of the type conforming to SAE J512, *Standard for Automotive Fittings*, or ANSI B16.26 *Standard for Cast, Copper, Alloy Fittings for Flared Copper Tubes*.**

**6.1.5 Installation Instructions and Operators Manuals.** These documents shall be provided on either printed or electronic media. If provided on printed media, they shall be attached to or contained within the packaging for each unit shipped by the engine generator manufacturer. If provided on electronic media, they shall comply with 6.1.5.2 – 6.1.5.4.

**6.1.5.2 Electronic documents shall be provided in a format that can be read with commonly available, non-proprietary software.**

**6.1.5.3 If shipped with the unit, electronic documents shall be contained in a media storage device, commonly available at the time of shipping. The media storage device containing electronic documents shall be attached to or contained within the packaging for each unit shipped by the engine generator manufacturer.**

**6.1.5.4 If not shipped with the unit, electronic documents shall be made available on the Internet. A detailed instruction, in printed media, on where and how the electronic media can be retrieved, shall be attached to or contained within the packaging for each unit shipped by the engine generator manufacturer.**

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**Recreational Vehicle:** A vehicular-type unit that is primarily designed as temporary living quarters for recreational, camping, or seasonal use that either ; has its own motive power or is mounted on or towed by another vehicle-; is regulated by the National Highway Traffic Safety Administration as a vehicle or vehicle equipment; does not require a special highway use permit for operation on the highways; and can be easily transported and set up on a daily basis by an individual. The basic entities are: camping trailer, fifth wheel trailer, motor home, travel trailer, and truck camper. "Refer to Appendix D for definitions of basic entities of RVs."

**Recreational Vehicle (RV).** The term recreational vehicle also includes the following:

- (1) Motor Home. A vehicular unit designed to provide temporary living quarters for recreational, camping, or travel use, built on or attached to a self propelled motor vehicle chassis or on a chassis cab or van that is an integral part of the completed vehicle.
- (2) Camping Trailer. A vehicular unit that is mounted on wheels and constructed with collapsible partial sidewalls that fold for towing by another vehicle and unfold at the campsite to provide temporary living quarters for recreational, camping, or travel use.
- (3) Fifth Wheel Trailer. A vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use, of such size or weight as not to require special highway movement permit(s), of gross trailer area not to exceed 400 ft<sup>2</sup> (37.2 m<sup>2</sup>) in the set up mode and designed to be towed by a motorized vehicle that contains a towing mechanism that is mounted above or forward of the tow vehicle's rear axle.
- (4) Travel Trailer. A vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use, of such size or weight as not to require special highway movement permits when towed by a motorized vehicle, and of gross trailer area less than 320 ft<sup>2</sup> (29.7 m<sup>2</sup>).
- (5) Truck Camper. A portable unit that is constructed to provide temporary living quarters for recreational, travel, or camping use, consists of a roof, floor, and sides, and is designed to be loaded onto and unloaded from the bed of a pickup truck.

Motorhome. A recreational vehicle built on a self-propelled motor vehicle chassis. The product-type categories are as follows:

- (1) Type A Motorhome. A motorhome constructed on a bare motor vehicle chassis.
- (2) Type B Motorhome. A motorhome constructed on an automotive-manufactured van-type vehicle.
- (3) Type C Motorhome. A motorhome constructed on a cut-away automotive-manufactured truck chassis.

Towable RV. A recreational vehicle that is mounted on wheels and designed to be towed by a motorized vehicle or a portable unit that is designed to be placed in the bed of a pickup truck. The product-type categories are as follows:

- (1) Fifth-Wheel Travel Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle by means of a towing mechanism that is mounted above or forward of the tow vehicle's rear axle.
- (2) Folding Camping Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle that is constructed with a collapsible roof and collapsible partial sidewalls that unfold and extend in the set-up mode and fold back up for travel.
- (3) Travel Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle that is constructed with a roof and sidewalls made of rigid materials.
- (4) Truck Camper. A towable RV designed to be placed in the bed of a pickup truck.

10/4/2017

Additional motorhome and towable RV products include the following:

(1) *Expandable Travel Trailer*. A travel trailer constructed with at least one collapsible partial sidewall that unfolds for additional sleeping space in the set-up mode and folds back up for travel.

(2) *Horse (Livestock) RV*. A motorhome or towable RV that contains a designated area for transporting horses (or other livestock).

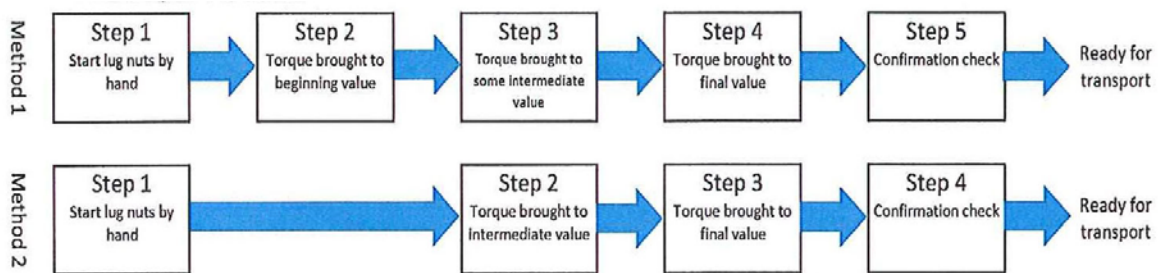
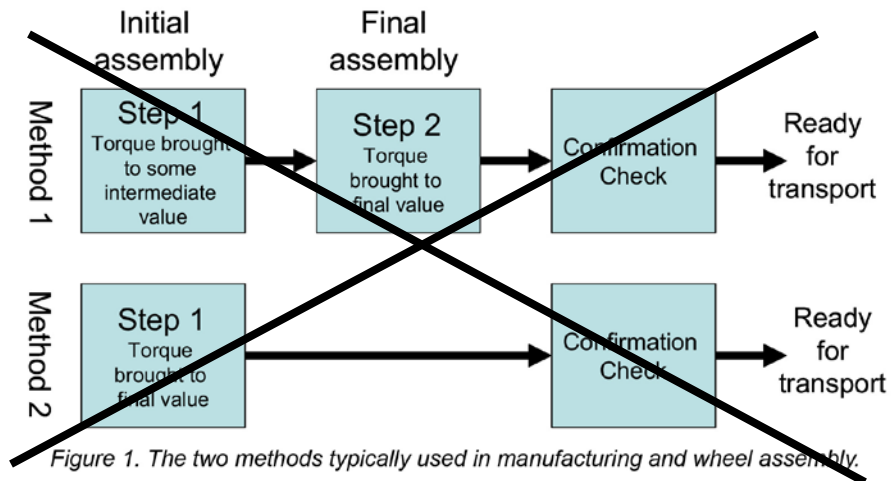
(3) *Sport Utility RV*. A motorhome or towable RV that has an entrance door wider than 36 in. (0.91 m) accessible by means of an access ramp or is promoted as having the ability to transport or store internal combustion engine vehicles or equipment.

## 2018 ANSI/RVIA TSIC-1 Code Change Proposals

4-2.2.2 Retained a minimum of ~~two~~ five years or as directed by the company's retention policy.

4-4.6.4 Date(s) of ~~audit~~ observation and results.

4-5.1 Completion of the assembly process may be accomplished in one assembly step or two assembly steps as shown in Figure 1.





## BSR/UL 61730-1, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction

### 1. Proposed Addition of References to Components Standards for Application in the U.S.

#### 5.3.4 Connectors

External DC connectors shall fulfil the requirements of IEC 62852. Connectors shall be marked in accordance with 5.2.2.

##### ***5.3.4DV DR Modification by replacing the Clause with the following:***

Connectors shall be marked in accordance with 5.2.2. External DC connectors shall fulfil the requirements of:

**1) UL 6703, or**

**2) IEC 62852 where non-locking connectors are not authorized for use in readily accessible PV systems with voltages above 30 volts.**

#### 5.3.5 Junction boxes for PV modules

Junction boxes for PV modules shall fulfil the requirements of IEC 62790.

##### ***5.3.5DV D2 Modification by replacing the Clause with the following:***

Junction boxes for PV modules shall fulfil the requirements of:

**1) UL 3730, or**

**2) IEC 62790 with the following exceptions:**

**a) The pull force used in the cord anchorage test (Sections 5.3.21.1 and 5.3.21.2 in IEC 62790) shall be either the value given in Table 6 (of IEC 62790) or 89 N, whichever is higher.**

**b) The pull force used in the retention on mounting surface test (Section 5.3.22.2 and 5.3.22.3 in IEC 62790) shall be 156 N.**

#### 5.3.8 Electrical connections

##### 5.3.8.2 Terminals for external cables and PV connector ribbons

Terminals for electrical connections shall be suitable for the type and range of conductor cross-sectional areas according to specification of the manufacturer. They shall meet the requirements of IEC 62790.

Insulated terminals shall be designed in a manner where a possible displacement that may result in a reduction of clearances and creepage distances is prevented.

***5.3.8.2DV DR Modification by replacing the first paragraph of the Clause with the following:***

**Terminals for electrical connections shall be suitable for the type and range of conductor cross-sectional areas according to specification of the manufacturer. They shall meet the requirements of UL 3730 or IEC 62790.**

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**BSR/UL 213-201x, Standard for Safety for Rubber Gasketed Fittings for Fire-Protection Service**

**1. Proposal to align pressure test requirements of UL 213 and 213C standards**

**11 Hydrostatic Test**

11.1 A rubber gasketed fitting assembly with pipe shall be capable of withstanding, for ~~4~~ 5 minutes without rupture, a test pressure equal to a multiple of the rated working pressure as shown in Table 11.1.

**Table 11.1**

*Hydrostatic test pressures*

Fitting size, inches <sup>a</sup>	Multiple of rated working pressure
Less than 8	5
8 and <del>1</del> Less than 12	4
Larger than 12 <u>and larger</u>	3
Based on nominal ASTM A 795 Schedule 40 steel pipe sizes	

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**BSR/UL 521-201x, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems**

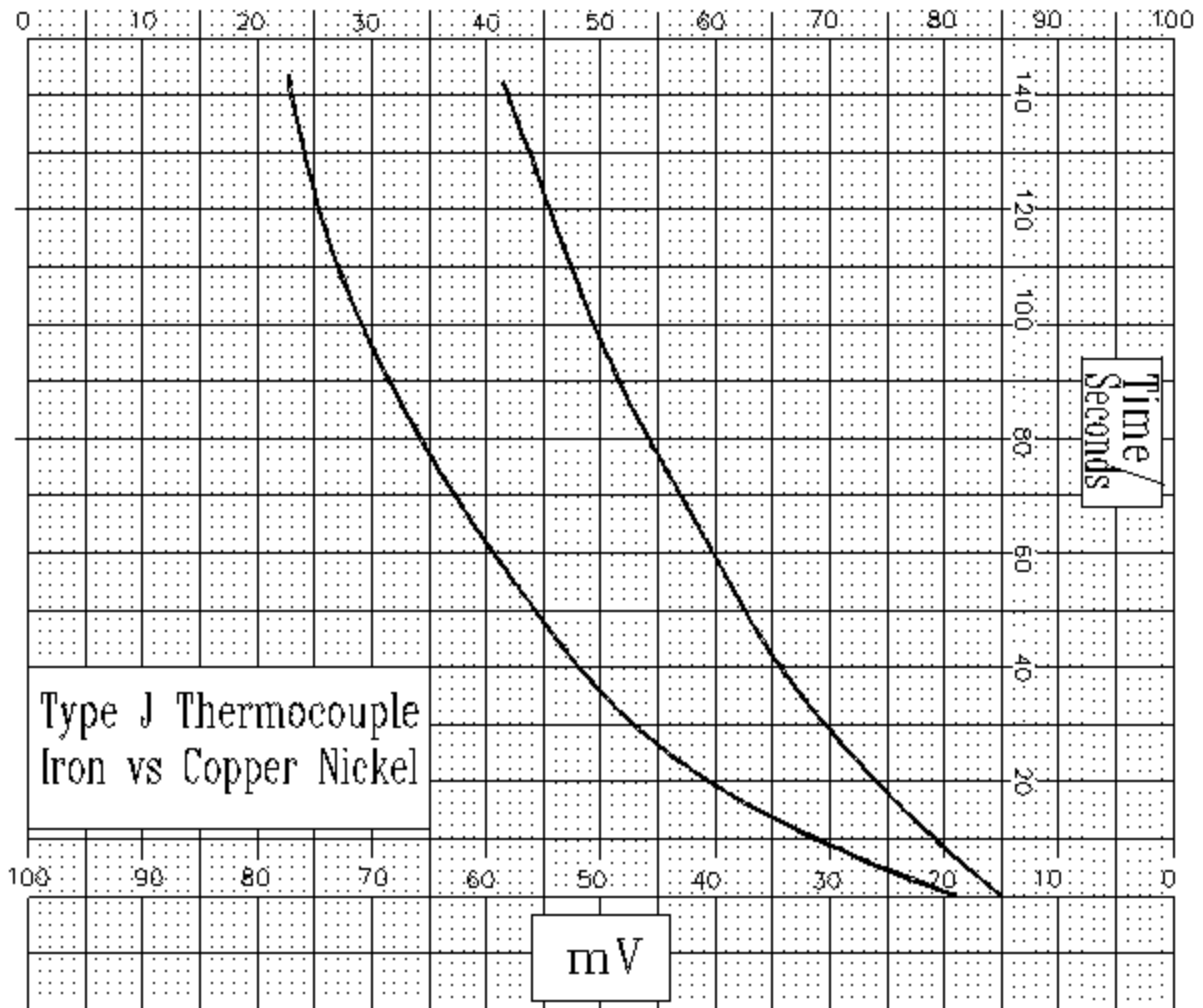
**1. Graph Modification for Fire Test Temperature Profile**

**(CURRENT)**

**Figure 20.1**

**Temperature profile UL 521/539 fire test**

Time temperature limits



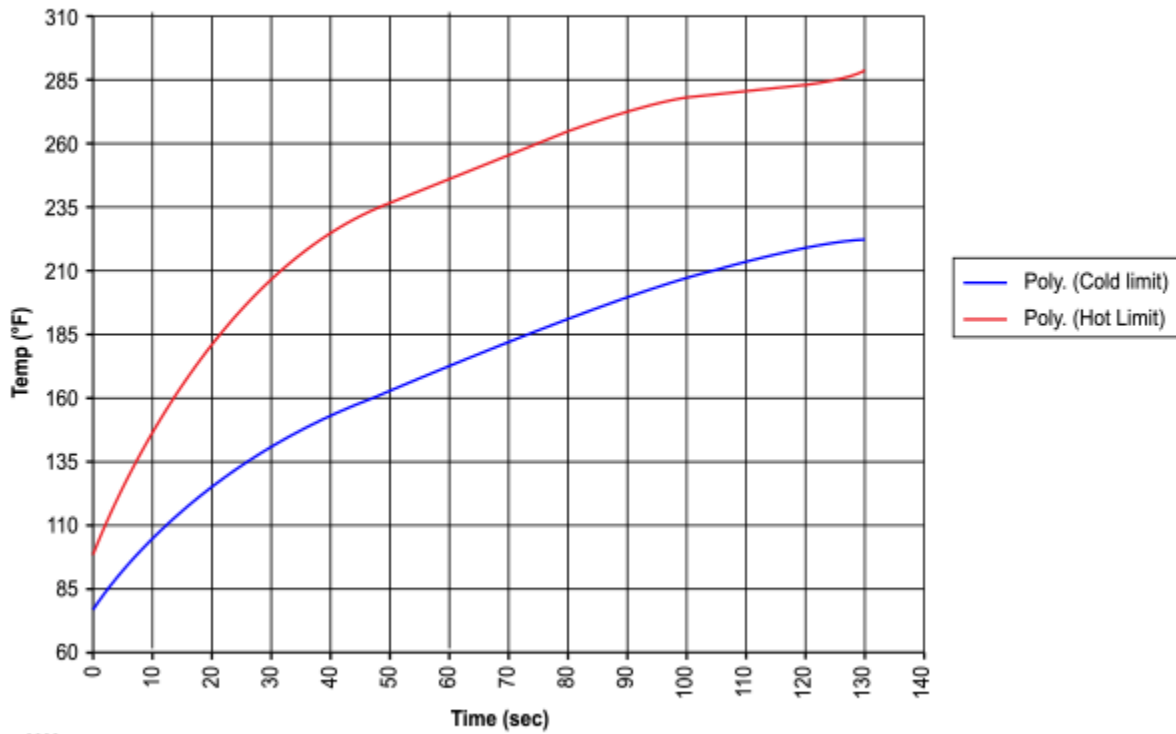
SU521A

**(PROPOSED)**

**Figure 20.1**

**Temperature profile UL 521/539 fire test**

Time temperature limits



su3008

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## BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

### 1. Exception for Cords in a Battery Circuit

13.2.1 Cords employed in a seasonal product shall comply with the Standard for Flexible Cords and Cables, UL 62. All wire and cord shall have a minimum flame rating of VW-1.

Exception: Wire in a Class 2 or battery circuit with a maximum available power of 15 Watts and employs insulation less than 1/64 inch (0.4 mm) is not required to comply with the Standard for Flexible Cords and Cables, UL 62, or be rated VW-1.

13.2.10 The wire of flexible cord employed in a Class 2 circuit with a maximum available power of 50 Watts as measured in 49.2 - 49.4, shall be suitable for the current with a minimum of 1/64-inch (0.4-mm) thick insulation.

Exception: Wire employed in a Class 2 or battery circuit with a maximum available power of 15 Watts is able to have less than 1/64 inch (0.4 mm) of insulation.

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## BSR/UL 8750, Standard for Light Emitting Diode (LED) Equipment For Use In Lighting Products

### 1. Expand scope of standard to include LED controllers supplied from branch circuit

#### PROPOSAL

1.1.1 LED controllers covered in this standard are intended to be:

- a) ~~Located inside~~ Integral to the luminaire, or
- b) ~~Secured to the outside surface of a luminaire,~~
- c) ~~Secured to the luminaire to form part of the luminaire enclosure, or~~
- d) Located remotely from the luminaire when the LED controller operates is supplied from and controls the luminaire using only Class 2 circuits from the luminaire.

1.1.2 These requirements do not cover LED controllers intended for installation inside an remote electrical outlet box containing Class 1 circuits.

1.1.3 These requirements do not cover LED controllers within the scopes of the following standards:

- a) Standard for Safety for Plug-In Locking Type Photocontrols for Use with Area Lighting, UL 773, or
- b) Standard for Safety for Solid-State Dimming Controls, UL 1472.

1.3 LED equipment is utilized in lighting products that comply with the end-product standards listed below. The requirements in this standard are intended to supplement those in other end-product standards. ~~The requirements in this standard do not anticipate all possible applications [e.g., LED equipment subject to weather (outdoor use), LED equipment installation in air handling spaces or in other environmental air spaces (plenums), LED equipment use in fire rated installations, etc.].~~ Included are:

- a) Electric Signs, UL 48,
- b) Portable Electric Luminaires, UL 153,
- c) Underwater Luminaires and Submersible Junction Boxes, UL 676,
- d) Emergency Lighting and Power Equipment, UL 924,
- e) Stage and Studio Luminaires and Connector Strips, UL 1573,

- f) Track Lighting Systems, UL 1574,
- g) Luminaires, UL 1598,
- h) Direct Plug-In Nightlights, UL 1786,
- i) Low Voltage Landscape Lighting Systems, UL 1838,
- j) Self-Ballasted Lamps and Lamp Adapters, UL 1993,
- k) Luminous Egress Path Marking Systems, UL 1994, and
- l) Low Voltage Lighting Systems, UL 2108.

3.12 LED CONTROLLER - A device or electronic circuitry that is designed to control light output characteristics, control/manage electrical energy to the luminaire, or sense and transmit luminaire operational performance and ~~built~~ building environmental data.

7.9.2 A component that bridges two circuits otherwise required to be isolated from one another shall be one of the following:

- a) A Class Y capacitor complying with the requirements specified in the Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification - Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains, UL 60384-14 (see Table 7.6),
- b) Two capacitors connected in series, each capacitor individually complying with the dielectric voltage withstand test of 8.6,
- c) An isolator complying with the requirements of the Standard for Optical Isolators, UL 1577, with a suitable isolation voltage rating, ~~or~~
- d) A transformer that complies with the applicable construction and performance requirements in this standard, or
- e) A relay (electromechanical or solid-state) that complies with the applicable requirements of the Standard for Industrial Control Equipment, UL 508.

7.9.3 A relay shall have appropriate ratings (i.e., voltage, current, or watts) in accordance with the Standard for Industrial Control Equipment, UL 508. Additionally, a relay that operates (make or break) non-isolated circuits shall be rated based on ~~intended~~ load type as noted below:

- a) LED array loads are evaluated as resistive loads.



- b) AC transformer (magnetic) loads are evaluated as general purpose loads. Relays with this rating can also be used with LED array loads.
- c) Electronic (switch mode) transformers, LED drivers, and LED light engines are evaluated as tungsten lamp loads with endurance testing in accordance with the Standard for Industrial Control Equipment, UL 508, requirements for electronic fluorescent ballasts. Relays with this rating can also be used with LED array and AC transformer (magnetic) loads.

*Exception No. 1: When a circuit is designed to trigger operation (make or break) of an electromechanical relay at the same angle of the ac sinusoidal waveform, such as at zero crossing, the relay may be evaluated based on related ratings (i.e., DC voltage, current, or watts) for the load types noted above. If the relay is triggered by an electronic circuit, this circuit shall additionally meet with one of the following requirements:*

- a) *Compliance with the applicable requirements of Supplement SA as a protective function, or*
- b) *Compliance with the Abnormal Switching Test in 8.18.*

~~*Exception No. 2: When an electromechanical relay does not have adequate ratings for the intended load, it is to be evaluated by test per Device Performance – Sequence 1 (i.e., temperature, overvoltage and undervoltage, and dielectric voltage withstand tests) and Sequence 2 (i.e., overload and endurance tests) requirements of the Standard for Industrial Control Equipment, UL 508.*~~

~~*Exception No. 3: When a solid-state relay does not have adequate ratings for the intended load, it is to be evaluated by test per Device Performance – Sequence 1 (i.e., temperature, overvoltage and undervoltage, and dielectric voltage withstand tests) requirements of the Standard for Industrial Control Equipment, UL 508.*~~

8.2.2 For LED controllers and LED drivers:

- a) For constant voltage input units, the input voltage shall be set at rated value and supplying rated load. Measured input current and input power shall not exceed 110 percent of each rating respectively.
- b) For constant current input units, the input current shall be set at rated value and supplying rated load. Measured input voltage and input power shall not exceed 110 percent of each rating respectively.

## **8.18 Abnormal switching test**

8.18.1 Two test samples are prepared and connected as follows:

- a) The trigger circuit of the electromechanical relay is to be removed or modified to allow random switching.
- b) The general abnormal test procedures described in 8.7.1.1 are followed as applicable.

8.18.2 The prepared test samples shall be operated in accordance with the applicable endurance test requirements specified in Exception No. 2 to in the Standard for Industrial Control Equipment, UL 508, based on the load types noted in 7.9.3 using random switching. The test samples shall be operated until either the required number of endurance test cycles is achieved or until ultimate results are demonstrated for 1 hour stabilized duration.

8.18.3 Immediately after each abnormal switching test, each control shall be subjected to the dielectric voltage withstand test of 8.6.

8.18.4 The control shall either operate as intended in accordance with the endurance test requirements, or demonstrate an end-of-life fail safe condition with no evidence of an imminent electrical shock, fire or injury to persons. There shall be:

- a) No opening of the ground arc detection fuse.
- b) No emission of the flame or molten metal, or ignition of the cheesecloth.
- c) No opening of the branch circuit protection device.
- d) No breakdown during the post-dielectric withstand testing.

9.2.2 An LED controller or LED driver shall be provided with markings (a) through ~~(g)~~ (e):

- a) Environmental suitability (dry, damp, or wet location),
- b) Input supply limitations (e.g., Class 2 input only), if applicable,
- c) ~~Input supply type (Constant Current or Constant Voltage),~~
- d) Input supply ratings: Voltage (V), Nature of supply (AC or DC; Constant Current or Constant Voltage), Frequency (if applicable), Current (A), ~~power factor (if applicable),~~ and Power (W),
- e) ~~Output type (Constant Current or Constant Voltage),~~

f d) Output ratings: Voltage (V), Nature of supply (AC or DC; Constant Current or Constant Voltage), Frequency (if applicable), Current (A). and Power (W), and

g e) Output load type when it is switched by the device via integral electromechanical or electronic relay (LED array, LED driver, Light engine, AC transformer or equivalent).

*Exception No. 1: For built-in products, this information may be provided on a separate instructions sheet or the like.*

*Exception No. 2: When the device is marked for a specific load (i.e. by manufacturer's name and model number), items (d) and (e) ~~to (g)~~ are omitted.*

*Exception No. 3: When the device includes a light source (i.e. light engine) and has no supply output, items (d) and (e) ~~to (g)~~ are omitted.*

9.2.4 A wiring diagram and any additional information necessary for proper connection of the LED controller or LED driver to the intended LED load(s) shall also be provided. This may be on a separate instruction sheet or similar.

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