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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: March 18, 2018

### **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. It is not intended to apply to emergency or standby generators (i.e., standby generators, generators with integral fuel tanks), welding generators, farm lighting plants, variable speed generators for railroad car installations, military specification engine generators, marine use, or similar specialized equipment. Included in this standard are recommended safety measures for installations, use, and care.

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

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

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

#### **New National Adoption**

BSR/UL 60079-29-4-201X, Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases (national adoption with modifications of IEC 60079-29-4)

This proposal provides revisions to the proposal document dated November 17, 2017 for the Adoption of IEC 60079-29-4, Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases, (first edition, issued by IEC November 2009 and Corrigendum 1 issued August 2010) as a new IEC-based UL standard, UL 60079-29-4 to the applicable requirements per comments received.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Vickie Hinton, (919) 549-1851, [Vickie.T.Hinton@ul.com](mailto:Vickie.T.Hinton@ul.com)

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

#### **Revision**

BSR/UL 746B-201x, Standard for Safety for Polymeric Materials - Long-Term Property Evaluations (revision of ANSI/UL 746B-2018)

The intent of this proposal is to update PTFE Generic RTI in Table 7.1 for materials that contain Inert Additives.

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

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

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

#### **Revision**

BSR/UL 864-201x, Standard for Standard for Safety for Control Units and Accessories for Fire Alarm Systems (revision of ANSI/UL 864-2014)

(1) Multiple primary batteries providing greater reliability; (2) Amendments to Class A requirements for wireless pathways; (3) Requirement amendments to Classes B, C, and X to include wireless pathways; (4) Exception to repeated wireless transmission of alarm and supervisory signals where end-to-end acknowledgment is provided.

[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)

## Comment Deadline: April 2, 2018

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

#### **Reaffirmation**

BSR/AAMI SW87-2012 (R201x), Application of quality management system concepts to medical device data systems (reaffirmation of ANSI/AAMI SW87-2012)

This recommended practice provides information that will allow the medical device data system manufacturer to implement a quality management system that is commensurate with the risk presented by the device, the complexity of device and manufacturing processes, and the size and complexity of organization.

Single copy price: \$84.00 (AAMI Members); \$148.00 (List Price)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=SW87-PDF>

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

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

BSR/AAMI ST67-201X, Sterilization of health care products - Requirements and guidance for selecting a sterility assurance level (SAL) for products labeled sterile (revision of ANSI/AAMI ST67-2011 (R2017))

This standard establishes requirements and guidance for considerations to be taken into account in selecting aseptic processing or an SAL for a health care product that cannot be terminally sterilized to achieve an SAL of 10<sup>-6</sup>.

Single copy price: Free

Obtain an electronic copy from: [https://standards.aami.org/higherlogic/ws/groups/PUBLIC\\_REV/documents](https://standards.aami.org/higherlogic/ws/groups/PUBLIC_REV/documents)

Order from: Amanda Benedict, (703) 253-8284, [abenedict@aami.org](mailto:abenedict@aami.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2014-25-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review existing Guide Material (GM) and revise as appropriate in light of PHMSA ADB-2014-03 re notification(s) required prior to certain construction-related events.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2015-20-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Cross reference re: Drills and Liaison with Emergency Responders: This TR will cross-reference three sections to cover the full range of actions that may be required and could be accomplished at one time.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2015-32-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review existing GM and determine if changes are appropriate to address assuring the exchange between corrosion protection and integrity management departments of corrosion-related data on pipelines not located in HCAs, but in close proximity to covered pipelines for consideration in integrity assessment methods and risk analysis.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-16-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Provide GM for requirements and requests for special permits/waivers.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-17-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review GM 192.281, section 3.2(g), to address NTSB report for gas explosion and subsequent fire, New York City.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-19-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review GM 192.616 to determine if the use of social media should be part of the Public Awareness communication method.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-20-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review GM 7 under 192.617 to address report for gas explosion and subsequent fire, New York City, New York concludes that a second crack on the outlet of the service tee was caused by post incident excavation.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-21-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review GMAs G-192-8 and G-192-8A to address NTSB report for gas explosion and subsequent fire in New York City that concludes the damaged sewer presented a coincidental threat to the pipeline.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2016-40-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Remove GMA G-191-2, G-191-3, G-191-4, G-191-5, and G-191-6, and replace with a table that lists the forms and references.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2017-07-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

The ANSI process to register the Guide under Continuous Maintenance includes a requirement to include a clear statement in the published standard of the intent to consider requests as they are received.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2017-10-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review Amdt. 191-25 and Amdt. 192-123, Operator Qualification, Cost Recovery, Accident and Incident Notification, and Other Pipeline Safety Changes, and revise GM as appropriate.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

**AGA (ASC Z380) (American Gas Association)****Addenda**

BSR GPTC Z380.1-2015 TR 2017-24-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2015 Edition)

Review GM 192.909 2.1(d) and revise as appropriate considering that the compliance dates have already passed.

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Michael Bellman, (202) 824-7183, [mbellman@aga.org](mailto:mbellman@aga.org)

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

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

BSR/ASABE S625-MAR2015 (R201x), Drawbar Pin Dimensions and Requirements for Towed Equipment (reaffirmation of ANSI/ASABE S625-MAR2015)

Establishes dimensional and minimum strength requirements for agricultural drawbar hitch pins used in single-point attaching of a towed machine to towing machines or leading machines. Application of this standard assumes a clevis on the towing machine conforming to ANSI/ASABE AD 6489 -3:2004 and a ring on the towed machine conforming to ASABE/ISO 21244:2008. Additionally, this standard defines loading conditions for drawbar pin retention systems.

Single copy price: \$61.00

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

Order from: Carla VanGilder, (269) 932-7015, [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

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

### ***Revision***

BSR/ASABE S613-2.2 MONYEAR-201x, Tractors and self-propelled machinery for agriculture - Air quality systems for cabs - Part 2: Cab & HVAC design (revision and redesignation of ANSI/ASABE S613-2.1-JUN-2013)

This part of the S613 standard series is concerned with the generally accepted design principles that define a robust cab and HVAC system used in contaminated environments as part of an Occupational Health and Safety Management System (OHSMS). This document is intended to be a guide for engineers who are responsible for designs used in agricultural applications. Information provided by this part of the standard series should help engineers provide cab and HVAC system designs that can be used as an engineering control within a program of risk management.

Single copy price: \$61.00

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

Order from: Carla VanGilder, (269) 932-7015, [vangilder@asabe.org](mailto:vangilder@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.)**

### ***Reaffirmation***

BSR/ASHRAE Standard 41.7-2015 (R201x), Standard Methods for Gas Flow Measurement (reaffirmation of ANSI/ASHRAE Standard 41.7-2015)

This standard applies to laboratory and field gas flow measurement for testing heating, ventilating, air-conditioning, and refrigerating systems and components. This standard is restricted to applications where the entire flow stream of gas enters and exits the gas flowmeter in a "gas-only" state during data recording with the following exceptions: This standard does not apply to airflow measurements at pressures within this range: -25 kPa to +25 kPa (-100 in. of water to +100 in. of water) referenced to ambient pressure. Those measurements are within the scope of ASHRAE Standard 41.2. This standard does not apply to fan performance rating airflow measurements. Those measurements are within the scope of ASHRAE Standard 51. This standard does not apply to gaseous-phase refrigerant mass flow measurements where the gas flow includes circulating lubricant. Those measurements are within the scope of ASHRAE Standard 41.10.

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>

## **ASME (American Society of Mechanical Engineers)**

### ***Revision***

BSR/ASME PCC-2-201x, Repair of Pressure Equipment and Piping (revision, redesignation and consolidation of ANSI/ASME PCC-2-2015, ANSI/ASME PCC-2-Supplement-2015)

This Standard provides methods for repair of equipment and piping within the scope of ASME Pressure Technology Codes and Standards after they have been placed in service. These repair methods include relevant design, fabrication, examination, and testing practices and may be temporary or permanent, depending on the circumstances. The methods provided in this Standard address the repair of components when repair is deemed necessary based on appropriate inspection and flaw assessment.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Steven Rossi, (212) 591-8460, [rossis@asme.org](mailto:rossis@asme.org)

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

### ***Reaffirmation***

BSR ASSE A10.9-2013 (R201x), Safety Requirements for Concrete and Masonry Work (reaffirmation of ANSI ASSE A10.9-2013)

This standard establishes safety requirements pertaining to concrete construction and masonry work in construction. The requirements contained in this standard cover all on-site concrete construction and masonry work including design, erection, operation, and maintenance of aggregate processing plants, concrete mixing plants, and conveyances. It also contains safety requirements pertinent to the specialty concrete operations of pre-stressing by pre-tensioning or post-tensioning, lift-slab construction, tilt-up construction, and slipforms.

Single copy price: \$80.00

Obtain an electronic copy from: [LBauerschmidt@asse.org](mailto:LBauerschmidt@asse.org)

Order from: Lauren Bauerschmidt, (847) 768-3475, [lbauerschmidt@asse.org](mailto:lbauerschmidt@asse.org)

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

**AWS (American Welding Society)*****New Standard***

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

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

Single copy price: \$68.00

Obtain an electronic copy from: [pportela@aws.org](mailto:pportela@aws.org)

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

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

**AWS (American Welding Society)*****Revision***

BSR/AWS D18.1/D18.1M-201x, Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications (revision of ANSI/AWS D18.1/D18.1M-2009)

This specification covers the requirements for gas tungsten arc welding and plasma arc welding of stainless steel tube and pipe 1/4 inch [6 mm] diameter and larger in the fabrication and construction of new sanitary (hygienic) processing systems. This specification includes the welding of tube and pipe for the transportation of sanitary (hygienic) system products and cleaning or sanitizing solutions. It includes manual welding as well as mechanized or automatic welding, such as orbital welding. This specification addresses welding procedure and performance qualification as well as visual examination requirements for as-welded surfaces and finished surfaces.

Single copy price: \$68.00

Obtain an electronic copy from: [pportela@aws.org](mailto:pportela@aws.org)

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

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

**CTA (Consumer Technology Association)*****New Standard***

BSR/CTA 709.7-201x, LON over IP (new standard)

To develop and standardize a new CTA-709 media channel definition for LON® over IP (Ethernet). The scope includes defining a new channel media type which will be inter-operable with all existing CTA-709 media types. It includes defining IPv4 and IPv6 addressing requirements. It will provide timing parameters and other relevant technology necessary for control networking devices to directly connect to an existing Ethernet network using IP. The work effort includes defining device-to-device addressing and device-to-host computer/API addressing, routing, timing, and other relevant inter-operable definitions.

Single copy price: \$87.00

Obtain an electronic copy from: [standards@cta.tech](mailto:standards@cta.tech)

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

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

**CTA (Consumer Technology Association)*****New Standard***

BSR/CTA 2065-201x, Physical Activity Monitoring for Heart Rate (new standard)

This standard creates definitions and performance criteria for consumer technology that measures heart rate.

Single copy price: \$64.00

Obtain an electronic copy from: [standards@cta.tech](mailto:standards@cta.tech)

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

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

## **NEMA (ASC C136) (National Electrical Manufacturers Association)**

### **Revision**

BSR C136.37-201x, Standard for Roadway and Area Lighting Equipment - Solid State Light Sources Used in Roadway and Area Lighting (revision of ANSI C136.37-2011)

This project is to update the standard with current test procedures, set-up, and operation, and to further define and update pass/fail criteria.

Single copy price: \$59.00

Obtain an electronic copy from: [karen.willis@nema.org](mailto:karen.willis@nema.org)

Order from: Karen Willis, (703) 841-3277, [Karen.Willis@nema.org](mailto:Karen.Willis@nema.org)

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

## **NEMA (ASC C8) (National Electrical Manufacturers Association)**

### **Revision**

BSR ICEA S-108-720-201x, Standard for Extruded Insulation Power Cables Rated above 46 through 500 KV AC (revision of ANSI ICEA S-108-720-2012)

This standard applies to materials, constructions, and testing of crosslinked polyethylene (XLPE) and ethylene propylene rubber (EPR)-insulated single-conductor shielded power cables rated above 46 to 500 kV ac used for the transmission of electrical energy.

Single copy price: \$248.00

Obtain an electronic copy from: [khaled.masri@nema.org](mailto:khaled.masri@nema.org)

Order from: NEMA Communication Department

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

## **TIA (Telecommunications Industry Association)**

### **Addenda**

BSR/TIA 569-D-2-201x, Telecommunications Pathways and Spaces - Addendum 2 Guidelines for Supporting Remote Powering (addenda to ANSI/TIA 569-D-2015)

This addendum provides guidelines for pathways supporting cabling used for remote power delivery in addition to supporting data transmission.

Single copy price: \$65.00

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

Order from: [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.)**

### **Reaffirmation**

BSR/UL 69-2013 (R201x), Standard for Safety for Electric-Fence Controllers (reaffirmation of ANSI/UL 69-2013)

Reaffirmation and continuance of the tenth edition of the Standard for Electric-Fence Controllers, UL 69, as an American National Standard.

Single copy price: Free

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

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.)**

### **Reaffirmation**

BSR/UL 198M-2003 (R201x), Standard for Safety for Mine-Duty Fuses (reaffirmation of ANSI/UL 198M-2003 (R2013))

These requirements cover Class K and Class R fuses having an additional D-C rating and that are intended for use in protecting trailing cables in D-C circuits in mines in accordance with the requirements of the United States Department of Labor, Mine Safety and Health Administration. These fuses have a maximum current rating of 600 A, a voltage rating of 300 or 600 V dc, and an interrupting rating of 20,000 A dc.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)



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

### ***Reaffirmation***

BSR/UL 248-16-2004 (R201x), Standard for Safety for Low-Voltage Fuses - Part 16: Test Limiters (reaffirmation of ANSI/UL 248-16-2004 (R2013))

This Part 16 Standard applies to test limiters calibrated to specific limits of peak let-through current and clearing I<sub>2t</sub> at 250, 300, 480, or 600 V ac.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 443-2008 (R201x), Standard for Safety for Steel Auxiliary Tanks for Oil-Burner Fuel (reaffirmation of ANSI/UL 443-2008 (R2013))

These requirements cover the design and construction of welded steel tanks of the atmospheric type intended for the auxiliary storage and supply of fuel oil for oil burners. They are for use in the supply piping between a burner and its main fuel supply tank. These tanks are intended for installation and use in accordance with the Standard of the National Fire Protection Association for the Installation of Oil-Burning Equipment, NFPA No. 31.

Single copy price: Free

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

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 2267-2013 (R201x), Standard for Safety for Fuel Cell Power Systems for Installation in Industrial Electric Trucks (reaffirmation of ANSI/UL 2267-2013)

Reaffirmation of UL 2267 which covers fuel cell power systems intended to be installed in Type E or Type CGH industrial trucks used in locations as defined in NFPA 505, the NEC, and the Standard for Electric-Battery-Powered Industrial Trucks, UL 583.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@ul.com](mailto:Jonette.A.Herman@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-4-2007 (R201x), Standard for Safety for Fuseholders - Part 4: Class CC (reaffirmation of ANSI/UL 4248-4-2007 (R2012))

These requirements cover fuseholders intended for use with Class CC Fuses as described in NMX-J-009/248/4-2000-ANCE, CSA C22.2 No. 248.4, UL 248-4, Low-Voltage Fuses - Part 4: Class CC Fuses.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-5-2007 (R201x), Standard for Safety for Fuseholders - Part 5: Class G (reaffirmation of ANSI/UL 4248-5-2007 (R2012))

These requirements cover fuseholders intended for use with Class G Fuses as described in NMX-J-009/248/5-2000-ANCE, CSA C22.2 No. 248.5, UL 248-5, Low-Voltage Fuses - Part 5: Class G Fuses.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-6-2007 (R201x), Standard for Safety for Fuseholders - Part 6: Class H (reaffirmation of ANSI/UL 4248-6-2007 (R2012))

These requirements cover fuseholders intended for use with Class H Fuses as described in NMX-J-009/248/6-2000-ANCE, CSA C22.2 No. 248.6, UL 248-6, Low-Voltage Fuses - Part 6: Class H Non-Renewable; and NMX-J-009/248/7-2000-ANCE, CSA C22.2 No. 248.7, UL 248-7, Low-Voltage Fuses - Part 7: Class H Renewable Fuses.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-9-2007 (R201x), Fuseholders - Part 9: Class K (reaffirmation of ANSI/UL 4248-9-2007 (R2012))

These requirements cover fuseholders intended for use with Class K Fuses as described in NMX-J-009/248/9-2000-ANCE, CSA C22.2 No. 248.9, UL 248-9, Low-Voltage Fuses - Part 9: Class K Fuses.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-11-2007 (R201x), Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2012))

These requirements cover: (a) fuseholders intended for use with Type C (Edison-base) and Type S Plug Fuses as described in NMX-J-009/248/11-2000-ANCE, CSA C22.2 No. 248.11, UL 248-11, Low-Voltage Fuses - Part 11: Plug Fuses; (b) devices intended to be added to Edison-base fuseholders to reject fuses with larger ampere ratings; and (c) devices intended to adapt Type S plug fuses for use in Edison-base fuseholders.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 4248-15-2007 (R201x), Standard for Safety for Fuseholders - Part 15: Class T (reaffirmation of ANSI/UL 4248-15-2007 (R2012))

These requirements cover fuseholders intended for use with Class T Fuses as described in NMX-J-009/248/15-2000-ANCE, CSA C22.2 No. 248.15, UL 248-15, Low-Voltage Fuses - Part 15: Class T Fuses.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mitchell Gold, (847) 664-2850, [Mitchell.Gold@ul.com](mailto:Mitchell.Gold@ul.com)

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

### ***Reaffirmation***

BSR/UL 8752-2012 (R201x), Standard for Safety for Organic Light Emitting Diode (OLED) Panels (reaffirmation of ANSI/UL 8752-2012)

Reaffirmation and Continuance of the joint UL/ULC first edition of the Standard for Organic Light Emitting Diode (OLED) Panels, CAN/ANSI/ULC/UL 8752, as an American National Standard.

Single copy price: Free

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

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

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

### ***Reaffirmation***

BSR/UL 8753-2013 (R201x), Standard for Safety for Standard for Field-Replaceable Light Emitting Diode (LED) Engines (reaffirmation of ANSI/UL 8753-2013)

Reaffirmation and continuance of the joint UL/ULC first edition of the Standard for Field-Replaceable Light Emitting Diode (LED) Engines, CAN/ANSI/ULC/UL 8753, as an American National Standard.

Single copy price: Free

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

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

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

### ***Revision***

BSR/UL 2743-201X, Standard for Safety for Portable Power Packs (Proposal dated 2-16-18) (revision of ANSI/UL 2743-2016)

This recirculation proposal provides revisions to the UL 2743 proposal dated 10-6-17.

Single copy price: Free

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@ul.com](mailto:Jonette.A.Herman@ul.com)

## **VC (ASC Z80) (The Vision Council)**

### ***Revision***

BSR Z80.30-201x, Toric Intraocular Lenses (revision of ANSI Z80.30-2010)

This standard applies to any monofocal intraocular lens (IOL) whose primary indication is the reduction of astigmatism either with the correction of aphakia or the modification of the refractive power of a phakic eye. It does not include IOLs used to correct presbyopia.

Single copy price: \$75.00

Obtain an electronic copy from: [ascz80@thevisioncouncil.org](mailto:ascz80@thevisioncouncil.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [ascz80@thevisioncouncil.org](mailto:ascz80@thevisioncouncil.org)

## **VITA (VMEbus International Trade Association (VITA))**

### ***New Standard***

BSR/VITA 17.3-201x, Serial Front Panel Data Port (sFPDP) Gen 3.0 (new standard)

This standard defines the third generation "Serial FPDP" protocol. The objective of this standard is to increase link bandwidth and efficiency by adopting the 64B/67B encoding standard and enabling channel bonding.

Single copy price: \$25.00

Obtain an electronic copy from: [admin@vita.com](mailto:admin@vita.com)

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

## **Comment Deadline: April 17, 2018**

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

## **ASME (American Society of Mechanical Engineers)**

### ***New Standard***

BSR/ASME PTC 13-201x, Wire-To-Air Performance Test Code for Blower Systems (new standard)

This Code provides standard procedures for conducting "wire-to-air" performance tests on blower systems. Blower systems shall include but not be limited to centrifugal and rotary positive displacement types and the ancillary devices required for service. This code determines input electrical power consumption and delivery of compressed air from the blower system. The term, blower, implies that the machine is used primarily for delivery of pressurized air or other gases at pressures between those delivered by a fan and a compressor. The distinction between blowers, fans, and compressors in common practice is rather vague; accordingly, machines that bear any of these names may be tested under the provisions of this Code.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

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

## **ASME (American Society of Mechanical Engineers)**

### ***Revision***

BSR/ASME Y14.36-201x, Surface Texture Symbols (revision of ANSI/ASME Y14.36M-1996 (R2008))

This Standard establishes a method to designate surface texture controls. It includes symbolic and textual methods for specifying roughness, waviness, and lay on drawings, specifications, or other documents.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ansibox@asme.org](mailto:ansibox@asme.org)

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

## **30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date**

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

### **ASME (American Society of Mechanical Engineers)**

ANSI/ASME B107.44-2007, Chisels - Glaziers, Wood, Ripping, Flooring/Electricians

Questions may be directed to: Jack Karian, ASME; [karianj@asme.org](mailto:karianj@asme.org)

### **ASME (American Society of Mechanical Engineers)**

ANSI/ASME B107.50-2007, Brick Chisels, Brick Sets, and Star Drills

Questions may be directed to: Jack Karian, ASME; [karianj@asme.org](mailto:karianj@asme.org)

### **ASME (American Society of Mechanical Engineers)**

ANSI/ASME B107.59-2007, Slugging and Striking Wrenches

Questions may be directed to: Jack Karian, ASME; [karianj@asme.org](mailto:karianj@asme.org)

## **Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer**

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

### **API (American Petroleum Institute)**

ANSI/API Spec 17K (ISO 13628-10)-2005 (R2016), Specification for Bonded Flexible Pipe

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

## **NFPA FIRE PROTECTION STANDARDS DOCUMENTATION**

**Motion Notice Deadlines:  
NFPA 20, NFPA 80, NFPA 105 – February 21, 2018  
NFPA 400 and NFPA 1221 – March 7, 2018**

The National Fire Protection Association announces the availability of NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. The disposition of all comments received are published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, [www.nfpa.org/doc#next](http://www.nfpa.org/doc#next) (for example [www.nfpa.org/101next](http://www.nfpa.org/101next)), can easily access the document's information page. All Notices of Intent to Make A Motion for NFPA 20, NFPA 80, and NFPA 105 must be received by February 21, 2018. Notices of Intent to Make A Motion for NFPA 400 and NFPA 1221 must be received by March 7, 2018.

For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (<http://www.nfpa.org>) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

## Comment Deadline: February 21, 2018

### **NFPA (National Fire Protection Association)**

#### **Revision**

BSR/NFPA 20-201x, Standard for the Installation of Stationary Pumps for Fire Protection (revision of ANSI/NFPA 20-2015)

This standard deals with the selection and installation of pumps supplying liquid for private fire protection. The scope of this document shall include liquid supplies; suction, discharge, and auxiliary equipment; power supplies, including power supply arrangements; electric drive and control; diesel engine drive and control; steam turbine drive and control; and acceptance tests and operation. This standard does not cover system liquid supply capacity and pressure requirements, nor does it cover requirements for periodic inspection, testing, and maintenance of fire pump systems. This standard does not cover the requirements for installation wiring of fire pump units.

### **NFPA (National Fire Protection Association)**

#### **Revision**

BSR/NFPA 80-201x, Standard for Fire Doors and Other Opening Protectives (revision of ANSI/NFPA 80-2015)

This standard regulates the installation and maintenance of assemblies and devices used to protect openings in walls, floors, and ceilings against the spread of fire and smoke within, into, or out of buildings. With the exception of fabric fire-safety curtain assemblies, this standard addresses assemblies that have been subjected to standardized fire tests. (See Chapter 20.) Incinerator doors, record room doors, and vault doors are not covered in this standard. Requirements for horizontally sliding, vertically sliding, and swinging doors as used in this standard do not apply to hoistway doors for elevators and dumbwaiters. This standard does not cover fire-resistant glazing materials and horizontally sliding accordion or folding assemblies fabricated for use as walls and tested as wall assemblies in accordance with ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials, or ANSI/UL 263, Standard for Fire Tests of Building Construction and Materials.

### **NFPA (National Fire Protection Association)**

#### **Revision**

BSR/NFPA 105-201x, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2015)

This standard shall prescribe minimum requirements for smoke door assemblies for use in providing safety to life and protection of property from smoke.

## Comment Deadline: March 7, 2018

### **NFPA (National Fire Protection Association)**

#### **Revision**

BSR/NFPA 400-201x, Hazardous Materials Code (revision of ANSI/NFPA 400-2015)

This code shall apply to the storage, use, and handling of the following hazardous materials in all occupancies and facilities: (1) Ammonium nitrate solids and liquids, (2) Corrosive solids and liquids, (3) Flammable solids, (4) Organic peroxide formulations, (5) Oxidizer - solids and liquids, (6) Pyrophoric solids and liquids, (7) Toxic and highly toxic solids and liquids, (8) Unstable (reactive) solids and liquids, (9) Water-reactive solids and liquids, and (10) Compressed gases and cryogenic fluids as included within the context of NFPA 55, Compressed Gases and Cryogenic Fluids Code. Unless otherwise specified in this code, all occupancy definitions and classifications shall be in accordance with the building code. Hazardous materials that are classified in more than one hazard category, as set forth in Section 4.1, shall conform to the code requirements for each hazard category.

### **NFPA (National Fire Protection Association)**

#### **Revision**

BSR/NFPA 1221-201x, Standard on Installation, Maintenance, and Use of Emergency Services Communications Systems (revision of ANSI/NFPA 1221-2015)

This standard shall cover the installation, performance, operation, and maintenance of public emergency services communications systems and facilities. This standard shall not be used as a design specification manual or an instruction manual.

# Call for Members (ANS Consensus Bodies)

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

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

**Office:** 4301 N. Fairfax Dr., Suite 301  
Arlington, VA 22203

**Contact:** *Amanda Benedict*

**Phone:** (703) 253-8284

**Fax:** (703) 276-0793

**E-mail:** abenedict@aami.org

BSR/AAMI ST67-201X, Sterilization of health care products - Requirements and guidance for selecting a sterility assurance level (SAL) for products labeled sterile (revision of ANSI/AAMI ST67-2011 (R2017))

BSR/AAMI SW87-2012 (R201x), Application of quality management system concepts to medical device data systems (reaffirmation of ANSI/AAMI SW87-2012)

## **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

BSR/ASHRAE Standard 41.7-2015 (R201x), Standard Methods for Gas Flow Measurement (reaffirmation of ANSI/ASHRAE Standard 41.7-2015)

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

**Office:** 520 N. Northwest Hwy.  
Park Ridge, IL 60068

**Contact:** *Lauren Bauerschmidt*

**Phone:** (847) 768-3475

**Fax:** (847) 768-3475

**E-mail:** lbauerschmidt@asse.org

BSR ASSE A10.9-2013 (R201x), Safety Requirements for Concrete and Masonry Work (reaffirmation of ANSI ASSE A10.9-2013)

## **AWS (American Welding Society)**

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

**Contact:** *Peter Portela*

**Phone:** (800) 443-9353

**Fax:** (305) 443-5951

**E-mail:** pportela@aws.org

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

BSR/AWS D18.1/D18.1M-201x, Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications (revision of ANSI/AWS D18.1/D18.1M-2009)

## **CTA (Consumer Technology Association)**

**Office:** 1919 South Eads Street  
Arlington, VA 22202

**Contact:** *Veronica Lancaster*

**Phone:** (703) 907-7697

**Fax:** (703) 907-4197

**E-mail:** vlancaster@cta.tech

BSR/CTA 709.7-201x, LON over IP (new standard)

BSR/CTA 2065-201x, Physical Activity Monitoring for Heart Rate (new standard)

BSR/CTA 2075-201x, Loudness Standard for Over the Top Television (OTT) and Online Video Distribution (OVD) Mobile and Fixed Devices (new standard)

## **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 S530-201x, Standard for Indoor Environmental Assessment for Suspected Mold Contaminated Structures (new standard)

## **ISA (International Society of Automation)**

**Office:** 67 T.W. Alexander Dr.  
Durham, NC 27709

**Contact:** *Linda Wolffe*

**Phone:** (919) 990-9257

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

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

BSR/ISA 62453-301-201x, Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 2 (national adoption of IEC-62453-301 Ed 2.0 with modifications and revision of ANSI/ISA 62453-301 (103.00.03)-2011)

BSR/ISA 62453-302-201x, Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2 (national adoption of IEC 62453-302 Ed. 2.0 with modifications and revision of ANSI/ISA 62453-302 (103.00.04)-2010)

BSR/ISA 62543-309-201x, Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC-62453-309 Ed. 2.0 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)

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

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

**Contact:** *Deborah Spittle*

**Phone:** (202) 737-8888

**Fax:** (202) 638-4922

**E-mail:** [comments@standards.incits.org](mailto:comments@standards.incits.org)

INCITS/ISO/IEC 14882:2017 [201x], Programming languages - C++  
(identical national adoption of ISO/IEC 14882:2017 and revision of  
INCITS/ISO/IEC 14882:2014 [2016])

**NEMA (ASC C136) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street  
Suite 900  
Rosslyn, VA 22209

**Contact:** *Karen Willis*

**Phone:** (703) 841-3277

**Fax:** (703) 841-3378

**E-mail:** [Karen.Willis@nema.org](mailto:Karen.Willis@nema.org)

BSR C136.37-201x, Standard for Roadway and Area Lighting  
Equipment - Solid State Light Sources Used in Roadway and Area  
Lighting (revision of ANSI C136.37-2011)

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street  
Rosslyn, VA 22209

**Contact:** *Khaled Masri*

**Phone:** (703) 841-3278

**Fax:** (703) 841-3398

**E-mail:** [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)

BSR ICEA S-108-720-201x, Standard for Extruded Insulation Power  
Cables Rated above 46 through 500 KV AC (revision of ANSI ICEA S  
-108-720-2012)

**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](mailto:standards@tappi.org)

BSR/TAPPI T 414 om-201x, Internal tearing resistance of paper  
(Elmendorf-type method) (new standard)

BSR/TAPPI T 580 pm-201x, Thickness (caliper) of towel, tissue, napkin  
and facial products (new standard)

**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](mailto:standards@tiaonline.org)

BSR/TIA 102.BAEG-A-201x, Mobile Data Peripheral Interface (revision  
and redesignation of ANSI/TIA 102.BAEG-2010)

BSR/TIA 569-D-2-201x, Telecommunications Pathways and Spaces:  
Addendum 2 - Guidelines for Supporting Remote Powering (addenda  
to ANSI/TIA 569-D-2015)

**VITA (VMEbus International Trade Association (VITA))**

**Office:** 929 W. Portobello Avenue  
Mesa, AZ 85210

**Contact:** *Jing Kwok*

**Phone:** (602) 281-4497

**E-mail:** [jing.kwok@vita.com](mailto:jing.kwok@vita.com)

BSR/VITA 17.3-201x, Serial Front Panel Data Port (sFPDP) Gen 3.0  
(new standard)



## Call for Members (ANS Consensus Bodies)

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

A *Call for Members* is announced for the consensus body developing ASHRAE Standard 147, specifically for the “User” and “General Interest” interest categories. Persons who are interested in serving on this ASHRAE committee are asked to obtain the necessary membership forms by clicking on the following link: <http://www.ashrae.org/standards-forms-procedures> or by contacting Steve Ferguson at:

#### **ASHRAE**

1791 Tullie Circle, N.E.,  
Atlanta, GA 30329  
Phone: 678-539-1138  
Fax: 678-539-2138  
E-mail: [Standards.Section@ashrae.org](mailto:Standards.Section@ashrae.org).

The stakeholders are typically HVAC equipment manufacturers, HVAC equipment contractors, and owners of HVAC equipment that use Halogenated Refrigerants.

Here is the scope of the project:

#### ***ASHRAE SSPC 147, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems***

1. **PURPOSE:** This standard establishes practices and procedures that will reduce inadvertent release of halogenated refrigerants.
2. **SCOPE:** The practices and procedures in this standard cover release reduction of halogenated hydrocarbon and halogenated ether refrigerants in the following circumstances:
  - (a) from stationary refrigeration, air-conditioning, and heat pump equipment and systems;
  - (b) during manufacture, installation, testing, operation, maintenance, repair, and disposal of equipment and systems.

# **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.

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

### Addenda

- ANSI/ASHRAE 34h-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 34j-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 34k-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 34L-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 34m-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 34n-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/25/2018
- ANSI/ASHRAE 62.1e-2018, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2013): 1/25/2018
- ANSI/ASHRAE 62.2g-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 1/25/2018
- ANSI/ASHRAE 62.2i-2018, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2016): 1/25/2018
- ANSI/ASHRAE 90.4a-2018, Energy Standard for Data Centers (addenda to ANSI/ASHRAE 90.4-2016): 1/25/2018
- ANSI/ASHRAE 90.4b-2018, Energy Standard for Data Centers (addenda to ANSI/ASHRAE 90.4-2016): 1/25/2018
- ANSI/ASHRAE 188f-2018, Legionellosis: Risk Management for Building Water Systems (addenda to ANSI/ASHRAE Standard 188-2015): 1/25/2018
- ANSI/ASHRAE/IES 90.1r-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018
- ANSI/ASHRAE/IES 90.1a-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018
- ANSI/ASHRAE/IES 90.1g-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018
- ANSI/ASHRAE/IES 90.1h-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018
- ANSI/ASHRAE/IES 90.1L-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018
- ANSI/ASHRAE/IES 90.1n-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018

ANSI/ASHRAE/IES 90.1p-2018, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 1/25/2018

ANSI/ASHRAE/IES 202b-2018, Commissioning Process for Buildings and Systems (addenda to ANSI/ASHRAE/IES Standard 202-2013): 2/1/2018

### 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)): 2/1/2018

## ASTM (ASTM International)

### New Standard

ANSI/ASTM F3284-2018, Guide For Recording and Reporting of Injuries and Illnesses for the Maritime Industry (new standard): 2/1/2018

### Revision

ANSI/ASTM E329-2018, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2014): 1/23/2018

ANSI/ASTM E2659-2018, Practice for Certificate Programs (revision of ANSI/ASTM E2659-2017): 1/23/2018

ANSI/ASTM E2816-2018, Test Methods for Fire Resistive Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2017): 2/1/2018

## NETA (InterNational Electrical Testing Association)

### Revision

ANSI/NETA ETT-2018, NETA Standard for Certification of Electrical Testing Technicians (revision of ANSI/NETA ETT-2015): 2/9/2018

## NSF (NSF International)

### Revision

ANSI/NSF 14-2018 (i86r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016): 1/30/2018

ANSI/NSF 14-2018 (i89r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016): 2/2/2018

ANSI/NSF 14-2018 (i90r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016): 2/5/2018

\* ANSI/NSF 173-2018 (i61r1), Dietary Supplements (revision of ANSI/NSF 173-2016): 2/6/2018

\* ANSI/NSF 330-2018 (i9r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2015): 1/25/2018

\* ANSI/NSF 336-2018 (i2r1), Sustainability assessment for commercial furnishings fabric (revision of ANSI/NSF 336-2011): 2/7/2018

## UL (Underwriters Laboratories, Inc.)

### New National Adoption

\* ANSI/UL 62841-2-21-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-21: Particular Requirements for Hand-Held Drain Cleaners (identical national adoption of IEC 62841-2-21): 2/1/2017

**New Standard**

ANSI/UL 4143-2018, Standard for Safety for Wind Turbine Generator - Life Time Extension (LTE) (new standard): 2/9/2018

**Revision**

ANSI/UL 25A-2018, Standard for Safety for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 25A-2016): 1/31/2018

ANSI/UL 25B-2018, Standard for Safety for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 25B-2016): 1/31/2018

ANSI/UL 365-2018, Standard for Police Station Connected Burglar Alarm Units and Systems (revision of ANSI/UL 365-2015a): 1/31/2018

ANSI/UL 746C-2018, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2017): 2/5/2018

ANSI/UL 746C-2018a, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2017): 2/5/2018

\* ANSI/UL 1026-2018, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 10-13-17) (revision of ANSI/UL 1026-2017): 2/2/2018

\* ANSI/UL 1026-2018a, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 12-22-17) (revision of ANSI/UL 1026-2017): 2/2/2018

ANSI/UL 1973-2018, Standard for Safety for Batteries for Use In Light Electric Rail (LER) Applications and Stationary Applications (revision of ANSI/UL 1973-2016): 2/7/2018

ANSI/UL 1973-2018a, Standard for Safety for Batteries for Use In Light Electric Rail (LER) Applications and Stationary Applications (revision of ANSI/UL 1973-2016): 2/7/2018

\* ANSI/UL 8750-2018, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2016): 2/5/2018

\* ANSI/UL 8750-2018a, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (Proposal dated 12-15-17) (revision of ANSI/UL 8750-2017): 2/5/2018

# Project Initiation Notification System (PINS)

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

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

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

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## ASME (American Society of Mechanical Engineers)

Contact: *Mayra Santiago, (212) 591-8521, ansibox@asme.org*

BSR/ASME B107.410-201x, Struck Tools (new standard)

Stakeholders: Manufacturers, consumers, distributors.

Project Need: To create a standard that provides performance and safety requirements for struck tools to reflect state of the art.

The purpose of B107.410 is to define essential performance and safety requirements specifically applicable to the various struck tools covered in this standard (e.g., Wood-Splitting Wedge; Chisels - Glaziers, Wood, Ripping, Flooring/Electricians; Stud, Screw, and Pipe Extractors; Metal Chisels, Punches, and Drift Pins; Nail Sets; Brick Chisels, Brick Sets, and Star Drills; Nail Puller Bars and Pry Bars; Slugging and Striking Wrenches).

## CTA (Consumer Technology Association)

Contact: *Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech*

- \* BSR/CTA 2075-201x, Loudness Standard for Over the Top Television (OTT) and Online Video Distribution (OVD) Mobile and Fixed Devices (new standard)

Stakeholders: Consumers, manufacturers, content distributors, and content providers.

Project Need: Develop a loudness standard for mobile and fixed devices for over the top television (OTT) and online video distribution (OVD).

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

## GTESS (Georgia Tech Energy & Sustainability Services)

Contact: *Deann Desai, (770) 605-4474, deann.desai@innovate.gatech.edu*

BSR/MSE/ISO 50046-201x, General quantification methods for ex ante or expected energy savings (identical national adoption of ISO 50046)

Stakeholders: Utilities, organizations that use energy (users), energy service providers, consultants.

Project Need: This document provides general guidelines for the quantification of predicted energy savings (PrES).

This document provides general guidelines for the quantification of predicted energy savings (PrES), also known as ex-ante quantification. It also provides a process resulting in ex ante savings estimates satisfactory for the organization developing them and relevant stakeholders. It is meant to be used once the opportunities for energy performance improvements have been identified, but prior to the implementation of the Energy Performance Improvement Actions (EPIAs). It is, therefore, meant to be used when selecting and/or specifying the EPIAs and/or the action plan, program, or policy to be subsequently implemented. This document provides a methodology for increasing the transparency and quality of data used to predict energy savings that can be used to select among energy savings opportunities, for investment decisions, and accounting or crediting of energy savings (for example, for energy savings certificates). It provides methods that can be used, for example, in the context of energy audits; energy savings obligations; and energy efficiency portfolio standards, voluntary agreements, or energy performance contracting. A clear validation and documentation of the PrES, in particular about their quantification, adds value by increasing the credibility and reliability of the PrES, irrespective of the methods chosen.

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

Contact: *Mili Washington, (702) 850-2710, mwashington@iicrcnet.org*

BSR/IICRC S530-201x, Standard for Indoor Environmental Assessment for Suspected Mold Contaminated Structures (new standard)

Stakeholders: Restoration companies and workers; those who investigate or assess abnormal water intrusion, prepare restoration specifications, procedures and protocols, and manage restoration projects, (e.g., indoor environmental professionals (IEPs), and other specialized experts); and other potential materially interested parties (e.g., consumers and occupants, property owners and managers, insurance company representatives, government and regulatory bodies); property owners and managers, occupants and tenants, professional remediators, those who investigate mold complaints, property restorers, indoor environmental professionals, environmental consultants, industrial hygienists, building engineers, insurance companies, and regulatory bodies.

Project Need: To promote proper methodology and processes for the assessment of mold-contaminated structures.

This document will establish a proper methodology and protocol for the inspection and evaluation of a structure that is known or suspected to have mold contamination.

BSR/IICRC S590-201x, Standard for HVAC Cleaning and Decontamination in a Water Damaged Environment (new standard)

Stakeholders: Restoration companies and workers; those who investigate or assess abnormal water intrusion, prepare restoration specifications, procedures, and protocols, and manage restoration projects, (e.g., indoor environmental professionals (IEPs), and other specialized experts) and other potential materially interested parties (e.g., consumers and occupants, property owners and managers, insurance company representatives, government and regulatory bodies).

Project Need: To provide measures for HVAC cleaning, as this is not specifically covered in existing Standards.

This document will provide a specific set of practical standards for HVAC cleaning in a water-damage restoration project.

**ISA (International Society of Automation)**

Contact: *Linda Wolffe, (919) 990-9257, lwolffe@isa.org*

BSR/ISA 62453-301-201x, Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 2 (national adoption of IEC-62453-301 Ed 2.0 with modifications and revision of ANSI/ISA 62453-301 (103.00.03)-2011)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: Update - To fully integrate fieldbuses, devices, and subsystems as seamless part of a wide range of automation tasks covering the whole automation life-cycle.

Update - No. 301 in a series of standards on field device tool specification.

BSR/ISA 62453-302-201x, Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2 (national adoption of IEC 62453-302 Ed. 2.0 with modifications and revision of ANSI/ISA 62453-302 (103.00.04)-2010)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: Update - To fully integrate fieldbuses, devices, and subsystems as seamless part of a wide range of automation tasks covering the whole automation life-cycle.

Update - No. 302 in a series of standards on field device tool interface specifications.

BSR/ISA 62453-309-201x, Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC-62453-309 Ed. 2.0 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: Update - To fully integrate fieldbuses, devices, and subsystems as seamless part of a wide range of automation tasks covering the whole automation life-cycle.

Update - No. 309 in a series of standards on field device tool interface specification.

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

Contact: *Deborah Spittle, (202) 737-8888, comments@standards.incits.org*

INCITS/ISO/IEC 14882:2017 [201x], Programming languages - C++ (identical national adoption of ISO/IEC 14882:2017 and revision of INCITS/ISO/IEC 14882:2014 [2016])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Specifies requirements for implementations of the C++ programming language. The first such requirement is that they implement the language, so this document also defines C++. Other requirements and relaxations of the first requirement appear at various places within this document. C++ is a general-purpose programming language based on the C programming language as described in ISO/IEC 9899:2011, Programming languages - C (referred to as the C standard). In addition to the facilities provided by C, C++ provides additional data types, classes, templates, exceptions, namespaces, operator overloading, function name overloading, references, free store management operators, and additional library facilities.

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

Contact: Kim Cooney, (800) 542-5040, [kcooney@scte.org](mailto:kcooney@scte.org)

BSR/SCTE DVS 1346-201x, High Dynamic Range (HDR) Video: System Requirements for Cable Phase 1 - Initial Deployment (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This document represents a collaborative collection of use cases and requirements that the SCTE•ISBE Digital Video Subcommittee (DVS) members believe will be a first step for a comprehensive set of Standards, Recommended Practices and other documents that define a next-generation system of high dynamic range video for cable operators.

**SDI (Steel Deck Institute)**

Contact: Robert Paul, (412) 487-3325, [bob@sdi.org](mailto:bob@sdi.org)

BSR/SDI SD-201x, Standard for Steel Roof and Floor Deck (revision, redesignation and consolidation of ANSI/SDI-C-2017, ANSI/SDI NC-2017, ANSI/SDI RD-2017)

Stakeholders: In the general interest category, stakeholders include related trade associations, specifying and consulting engineers, code officials, and academics. In the user category, stakeholders include general contractors, steel fabricators, structural steel and deck installers. In the producer category, stakeholders include steel deck manufacturers.

Project Need: This comprehensive standard, with accompanying non-mandatory user notes, sets requirements and guidelines for all aspects of steel roof deck, non-composite steel floor deck, and composite steel floor deck applications, from design through installation.

SDI-SD-20xx is a consolidation and revision of existing ANSI/SDI-NC-2017, ANSI/SDI-C-2017, and ANSI/SDI-RD-2017 Standards into a single Standard. SDI-SD-20xx is a Standard for steel roof and floor deck to be used by designers, specifiers, manufacturers, and installers. The Standard sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of steel roof and floor deck. Non-mandatory user notes and commentary are included for further clarification and guidance.

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

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

BSR/TAPPI T 414 om-201x, Internal tearing resistance of paper (Elmendorf-type method) (new standard)

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

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

This method measures the force perpendicular to the plane of the paper required to tear multiple plies through a specified distance after the tear has been started using an Elmendorf-type tearing tester. It does not measure edge-tear resistance. The measured results may be used to calculate the approximate tearing resistance of a single sheet. It is not suitable for single-ply tear testing.

BSR/TAPPI T 580 pm-201x, Thickness (caliper) of towel, tissue, napkin and facial products (new standard)

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

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

This method describes the procedure for measuring bulking thickness and variations in tissue paper and tissue products.

**TIA (Telecommunications Industry Association)**

Contact: Teesha Jenkins, (703) 907-7706, [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA 102.BAEG-A-201x, Mobile Data Peripheral Interface (revision and redesignation of ANSI/TIA 102.BAEG-2010)

Stakeholders: APCO Project 25, private land mobile radio users and manufacturers.

Project Need: Update current standard.

The Mobile Data Peripheral Interface specifies the protocols utilized on the interface between the Subscriber Unit and the Mobile Data Peripheral. The information necessary to enable interoperable services and functionality on this interface is provided in this document or referenced in other documents as appropriate.

# 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) 647-2779 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36 ST., #130 Miami, FL 33166 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Fax: (703) 841-3398 Web: <a href="http://www.nema.org">www.nema.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>AGA (ASC Z380)</b> American Gas Association 400 North Capitol Street, NW Washington, DC 20001 Phone: (202) 824-7183 Web: <a href="http://www.aga.org">www.aga.org</a></p>	<p><b>CTA</b> Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: <a href="http://www.cta.tech">www.cta.tech</a></p>	<p><b>NETA</b> InterNational Electrical Testing Association 3050 Old Centre Suite 101 Portage, MI 49024 Phone: (269) 488-6382 Fax: (269) 488-3683 Web: <a href="http://www.netaworld.org">www.netaworld.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>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>GTESS</b> Georgia Tech Energy &amp; Sustainability Services 75 Fifth Street N.W Suite 300 Atlanta, GA 30332-0640 Phone: (770) 605-4474 Fax: (404) 894-8194 Web: <a href="http://www.innovate.gatech.edu">www.innovate.gatech.edu</a></p>	<p><b>NFPA</b> National Fire Protection Association One Batterymarch Park Quincy, MA 02169 Phone: (617) 984-7246 Web: <a href="http://www.nfpa.org">www.nfpa.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709-3995 Phone: (919) 549-1851 Web: <a href="http://www.ul.com">www.ul.com</a></p>
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle NE Atlanta, GA 30329 Phone: (678) 539-1111 Fax: (678) 539-2111 Web: <a href="http://www.ashrae.org">www.ashrae.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>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>	<p><b>VC (ASC Z80)</b> The Vision Council of North America 225 Reinekers Lane Alexandria, VA 22314 Phone: 585-387-9913 Web: <a href="http://www.z80asc.com">www.z80asc.com</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>ISA (Organization)</b> International Society of Automation 67 T.W. Alexander Dr. Durham, NC 27709 Phone: (919) 990-9257 Fax: (919) 549-8288 Web: <a href="http://www.isa.org">www.isa.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>VITA</b> VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 Phone: (602) 281-4497 Web: <a href="http://www.vita.com">www.vita.com</a></p>
<p><b>ASSE (ASC A10)</b> American Society of Safety Engineers 520 N. Northwest Hwy. Park Ridge, IL 60068 Phone: (847) 768-3475 Fax: (847) 768-3475 Web: <a href="http://www.asse.org">www.asse.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5737 Fax: (202) 638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Fax: (800) 542-5040 Web: <a href="http://www.scte.org">www.scte.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>NEMA (ASC C136)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3277 Fax: (703) 841-3378 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>SDI (Canvass)</b> Steel Deck Institute PO Box 426 Glenshaw, PA 15116 Phone: (412) 487-3325 Web: <a href="http://www.sdi.org">www.sdi.org</a></p>	

**ExSC\_027\_2018**

February 16, 2018 ANSI Standards Action

**Proposed Revision to the ANSI Essential Requirements****([www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements))****Section 3.1 ANSI Patent Policy – Inclusion of Patents in American National Standards**

The revision below to 3.1 ANSI patent policy within the ANSI Essential Requirements ([www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)) was proposed to the ANSI Executive Standards Council (ExSC) by the IPRPC. This proposed revision is intended to reflect the understanding, concerning revisions and reaffirmations, that updated patent letters of assurance are required only for revisions and only with respect to new revised text in a proposed American National Standard (ANS) that contains an essential patent claim. Updated patent letters of assurance are not required for reaffirmations of existing ANS, as a reaffirmation by definition means that no substantive changes to the ANS have been incorporated.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the [ANSI Online public library](#) one week after the close of the public comment deadline. The ANSI ExSC typically considers all public comments received by the comment deadline at its next regularly scheduled meeting. Thereafter, all commenters will be provided with a written disposition of their respective comments.

**Public Comments are due to [psa@ansi.org](mailto:psa@ansi.org) by March 26, 2018.**

**3.1 ANSI patent policy - Inclusion of Patents in American National Standards**

There is no objection in principle to drafting an American National Standard (ANS) in terms that include the use of an essential patent claim (one whose use would be required for compliance with that standard) if it is considered that technical reasons justify this approach.

Participants in the ASD/ANSI standards development process are encouraged to bring patents with claims believed to be essential to the attention of the ANSI-Accredited Standards Developer (ASD).

If an ASD receives a notice that a proposed, revised or ANS ~~or an~~ approved ANS may require the use of such a patent claim that is not already covered by an existing assurance, the procedures in this clause shall be followed.



# IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 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

**IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an IEC Draft to Customer Service at [sales@ansi.org](mailto: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.**

- 
- JTC1-SC25/2/CDV, ISO/IEC 15067-3-3 ED1: Information technology -- Home Electronic System (HES) application model -- Part 3-3: Model of distributed energy management agent (EMA) for demand response energy management, 018/5/4/
- 8B/17/CD, IEC TS 62898-3-1 ED1: Microgrids - Technical Requirements - Protection, 018/4/6/
- 17C/675/CDV, IEC 62271-214 ED1: High-voltage switchgear and controlgear - Part 214: Internal arc classification for metal enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 018/5/4/
- 22E/193/CDV, IEC 62909-2 ED1: Bi-directional grid connected power converters - Part 2: Interface of GCPC and distributed energy resources and additional requirements to Part 1, 018/5/4/
- 23E/1045/CDV, IEC 63052 ED1: Power frequency overvoltage protective devices for household and similar applications (POP), 018/5/4/
- 23E/1046/CDV, IEC 60898-3 ED1: Circuit-breakers for overcurrent protection for household and similar installations- Part 3: Circuit-breakers for d.c. operation, 018/5/4/
- 23B/1260/AC, WG 19 of SC 23B: Plugs and socket outlets for DC to be used in Data Centres - Nominate/call for convenor and experts, 018/5/4/
- 34D/1362/CD, IEC 60598-1/AMD2/FRAG16 ED8: Luminaires - Part 1: General requirements and tests, 018/5/4/
- 34B/1963/DC, Document for comment of SC 34B: Proposal to define normal, fault and abnormal condition, 018/5/4/
- 45B/895/CD, IEC 63121 ED1: Radiation protection instrumentation - Vehicle-mounted mobile systems for the detection of illicit trafficking of radioactive materials, 018/5/4/
- 45A/1180/CDV, IEC/IEEE 62582-6 ED1: Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 6: Insulation resistance, 018/5/4/
- 48D/666/CD, IEC 60917-1 ED2: Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard, 018/5/4/
- 59F/340/CDV, IEC 62885-5 ED1: Surface cleaning appliances - Part 5: High pressure cleaners and steam cleaners - Methods of measuring the performance, 018/5/4/
- 62B/1081/CD, IEC 60522-1 ED1: Medical electrical equipment - Diagnostic X-rays - Part 1: Determination of quality equivalent filtration and permanent filtration, 018/4/6/
- 62B/1082/CD, IEC TR 60522-2 ED1: Medical electrical equipment - Diagnostic X-rays - Part 2: Guidance and rationale on quality equivalent filtration and permanent filtration, 018/4/6/
- 62A/1235/CDV, IEC 62304 Ed. 2: Health software - Software life cycle processes, 018/5/4/
- 62D/1564/FDIS, ISO 80601-2-13/AMD2 ED1: Amendment 2 - Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation, 2018/3/23
- 62D/1565/CD, IEC TR 61289 ED2: High frequency surgical equipment and high frequency surgical accessories - Operation and maintenance, 018/4/6/
- 65B/1113/CD, IEC 62737 ED1: Calibration and Validation of Process Analysers, 018/5/4/
- 118/91/CDV, IEC 62746-10-1 ED1: Systems interface between customer energy management system and the power management system - Part 10-1: Open Automated Demand Response, 018/5/4/
- 118/93/DTS, IEC TS 62939-2 ED1: Smart grid user interface - Part 2: Architecture and requirements, 018/5/4/
- 124/17/NP, PNW 124-17: Wearable electronic devices and technologies - Part X: Evaluation method of the stretchable resistive strain sensor, 018/5/4/
- 124/18/NP, PNW 124-18: Wearable electronic devices and technologies - Part X: Washability test method for leisure and sportswear e-textile system, 018/5/4/
- 124/19/NP, PNW 124-19: Wearable electronic devices and technologies - Part X: Test and evaluation methods for wearable glove sensors, 018/5/4/
- 124/20/NP, PNW 124-20: Wearable electronic devices and technologies - Part X: Low temperature skin burn safety test methods for band type on-body wearable electronic devices, 018/5/4/
- 25/620A/FDIS, IEC 60375 ED3: Conventions concerning electric circuits, 2018/3/23
- 3/1353/CDV, IEC/IEEE 82079-1 ED2: Preparation of instructions for use - Structuring, content and presentation - Part 1: General principles and detailed requirements, 018/5/4/

- 34/497/CD, IEC 63109 ED1: Assessment of blue light hazard of light sources and luminaires, 018/5/4/
- 80/875/CDV, IEC 63135 ED1: Maritime navigation and radio communication equipment and systems - Automatic Identification Systems (AIS) - SAR Airborne equipment - Operational and performance requirements, methods of test and required test results, 018/5/4/
- 80/880/FDIS, IEC 61162-450 ED2: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, 2018/3/23
- 85/629/CDV, IEC 61557-1 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements, 018/5/4/
- 85/630/CDV, IEC 61557-2 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance, 018/5/4/
- 85/631/CDV, IEC 61557-3 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance, 018/5/4/
- 85/632/CDV, IEC 61557-4 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding, 018/5/4/
- 85/633/CDV, IEC 61557-5 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth, 018/5/4/
- 85/634/CDV, IEC 61557-6 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems, 018/5/4/
- 85/635/CDV, IEC 61557-7 ED3: Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence, 018/5/4/
- 9/2360/CDV, IEC 62848-2 ED1: Railway applications - Fixed installations - DC surge arresters and voltage limiting devices - Part 2: Voltage limiting devices, 018/5/4/
- 9/2378/FDIS, IEC 62995 ED1: Railway applications - Rolling stock - Rules for installation of cabling, 2018/3/23
- 101/559/CD, IEC TR 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 018/5/4/
- 107/330/CD, IEC 62668-2 ED1: Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources, 018/5/4/
- 110/940/CDV, IEC 62906-5-1 ED1: Laser display devices - Part 5-1: Measurement of optical performance for laser front projection, 018/5/4/
- 110/954/CD, IEC 61747-40-1 ED2: Liquid crystal display devices - Part 40-1: Mechanical testing of display cover glass for mobile devices - Guidelines, 018/4/6/
- 110/955/CD, IEC TS 62977-3-1 ED1: Electronic displays - Part 3-1: Evaluation of optical performances - Colour difference based viewing direction dependence, 018/4/6/
- 113/410/NP, PNW TS 113-410 ED1: IEC/TS 62565-3-2: Nanomanufacturing - Material specifications - Part 3-2: Graphene - Sectional blank detail specification for nano-ink, 018/4/6/
- 56/1767/CD, IEC 62402 ED2: Obsolescence management, 018/4/6/
- 82/1398/CD, IEC TS 62804-1-1 ED1: Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation - Part 1 -1: Crystalline silicon - Delamination, 018/5/4/
- 91/1497/NP, PNW 91-1497: Endurance test methods for die attach materials applied to power electronic devices - Part 3: Power cycling test method and reliability performance index for Die attach materials (Near Chip Interconnection) applied to module type power electronic devices, 018/5/4/
- 100/3029/CDV, IEC 63033-2 ED1: Car multimedia systems and equipment - Drive monitor system - Part 2: Camera interfaces and recording methods, 018/5/4/
- CIS/B/697/CDV, Amendment 2 Fragment 3 to CISPR 11 Ed. 6: Industrial, scientific and medical equipment - Measurement of radiated disturbances - Improvement of repeatability for measurements in the frequency range 1-18 GHz, 018/5/4/



# 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 21565:2018](#), Information technology - Office equipment - Viewing environment guideline for office equipment, \$103.00

[ISO/IEC TR 20547-5:2018](#), Information technology - Big data reference architecture - Part 5: Standards roadmap, \$103.00

### AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 11133/Amd1:2018](#), Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media - Amendment 1, \$19.00

[ISO 19660:2018](#), Cream - Determination of fat content - Acidobutyrometric method, \$103.00

[ISO 19662:2018](#), Milk - Determination of fat content - Acidobutyrometric (Gerber method), \$103.00

### AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 1464:2018](#), Aerospace - Tripod jacks - Clearance dimensions, \$45.00

### CINEMATOGRAPHY (TC 36)

[ISO 2910:2018](#), Cinematography - Screen luminance and chrominance for the projection of film motion pictures, \$45.00

[ISO 17266:2018](#), Cinematography - Multichannel analogue and digital photographic sound and control records on 35 mm motion-picture prints and negatives, and digital sound-control records on 70 mm motion-picture prints and negatives - Position and width dimensions, \$68.00

### CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 19097-1:2018](#), Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 1: Application in concrete, \$103.00

[ISO 19097-2:2018](#), Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 2: Application in soils and natural waters, \$68.00

### CUTLERY AND TABLE AND DECORATIVE METAL HOLLOWWARE (TC 186)

[ISO 8442-9:2018](#), Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 9: Requirements for ceramic knives, \$68.00

### DENTISTRY (TC 106)

[ISO 19023:2018](#), Dentistry - Orthodontic anchor screws, \$45.00

### LIGHT METALS AND THEIR ALLOYS (TC 79)

[ISO 10215:2018](#), Anodizing of aluminium and its alloys - Visual determination of image clarity of anodic oxidation coatings - Chart scale method, \$68.00

### MECHANICAL TESTING OF METALS (TC 164)

[ISO 7500-1:2018](#), Metallic materials - Calibration and verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Calibration and verification of the force-measuring system, \$103.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 17123-5:2018](#), Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 5: Total stations, \$162.00

### ROLLING BEARINGS (TC 4)

[ISO 1206:2018](#), Rolling bearings - Needle roller bearings with machined rings - Boundary dimensions, geometrical product specifications (GPS) and tolerance values, \$138.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 28017:2018](#), Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications - Specification, \$103.00

### SECURITY (TC 292)

[ISO 22300:2018](#), Security and resilience - Vocabulary, \$45.00

### TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 4254-5:2018](#), Agricultural machinery - Safety - Part 5: Power-driven soil-working machines, \$103.00

### WATER RE-USE (TC 282)

[ISO 20760-1:2018](#), Water reuse in urban areas - Guidelines for centralized water reuse system - Part 1: Design principle of a centralized water reuse system, \$138.00

## ISO Technical Reports

### COSMETICS (TC 217)

[ISO/TR 18811:2018](#), Cosmetics - Guidelines on the stability testing of cosmetic products, \$103.00

### PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO/TR 19441:2018](#), Petroleum products - Density versus temperature relationships of current fuels, biofuels and biofuel components, \$209.00

### SURFACE CHEMICAL ANALYSIS (TC 201)

[ISO/TR 19693:2018](#), Surface chemical analysis - Characterization of functional glass substrates for biosensing applications, \$162.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 27000:2018](#), Information technology - Security techniques - Information security management systems - Overview and vocabulary, \$162.00

[ISO/IEC 15938-14:2018](#), Information technology - Multimedia content description interface - Part 14: Reference software, conformance and usage guidelines for compact descriptors for visual search, \$103.00

## IEC Standards

### ALARM SYSTEMS (TC 79)

[IEC 62820-3-2 Ed. 1.0 b:2018](#), Building intercom systems - Part 3-2: Application guidelines - Advanced security building intercom systems (ASBIS), \$317.00

### ALL-OR-NOTHING ELECTRICAL RELAYS (TC 94)

[IEC 62246-1-1 Ed. 2.0 b:2018](#), Reed switches - Part 1-1: Generic specification - Blank detail specification, \$352.00

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

[IEC 62087-1 Ed. 1.0 b:2015](#), Audio, video, and related equipment - Determination of power consumption - Part 1: General, \$82.00

### DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

[IEC 62569-1 Ed. 1.0 b:2017](#), Generic specification of information on products by properties - Part 1: Principles and methods, \$235.00

### ELECTRIC TRACTION EQUIPMENT (TC 9)

[IEC 62236-1 Ed. 3.0 b:2018](#), Railway applications - Electromagnetic compatibility - Part 1: General, \$82.00

[IEC 62236-2 Ed. 3.0 b:2018](#), Railway applications - Electromagnetic compatibility - Part 2: Emission of the whole railway system to the outside world, \$199.00

[S+ IEC 62236-1 Ed. 3.0 en:2018 \(Redline version\)](#), Railway applications - Electromagnetic compatibility - Part 1: General, \$259.00

[S+ IEC 62236-2 Ed. 3.0 en:2018 \(Redline version\)](#), Railway applications - Electromagnetic compatibility - Part 2: Emission of the whole railway system to the outside world, \$259.00

### FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 62595-2-2 Ed. 1.0 en:2018](#), Display lighting unit - Part 2-2: Measuring methods of LED light bars used in LCD BLUs, \$82.00

[IEC 62595-2-3 Ed. 1.0 en:2018](#), Display lighting unit - Part 2-3: Electro-optical measuring methods for LED frontlight unit, \$199.00

[IEC 61747-40-6 Ed. 1.0 en:2018](#), Liquid crystal display devices - Part 40-6: Mechanical testing of display cover glass for mobile devices - Retained biaxial flexural strength (abraded ring-on-ring), \$82.00

### LASER EQUIPMENT (TC 76)

[IEC 62471-5 Ed. 1.0 b:2015](#), Photobiological safety of lamps and lamp systems - Part 5: Image projectors, \$317.00

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

[IEC 61162-1 Ed. 5.0 b:2016](#), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, \$410.00

### OTHER

[IEC 61000-6-4 Ed. 3.0 b:2018](#), Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments, \$199.00

[S+ IEC 61000-6-4 Ed. 3.0 en:2018 \(Redline version\)](#), Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments, \$259.00

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

[IEC 60335-2-5 Amd.1 Ed. 6.0 b:2018](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, \$23.00

[IEC 60335-2-5 Ed. 6.1 b:2018](#), Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, \$235.00

## ULTRASONICS (TC 87)

[IEC 62359 Ed. 2.1 b:2017](#), Ultrasonics - Field characterization - Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields, \$762.00

[IEC 62359 Amd.1 Ed. 2.0 b:2017](#), Amendment 1 - Ultrasonics - Field characterization - Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields, \$199.00

## IEC Technical Reports

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

[IEC/TR 62905 Ed. 1.0 en:2018](#), Exposure assessment methods for wireless power transfer systems, \$375.00

## IEC Technical Specifications

### LIGHTNING PROTECTION (TC 81)

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

### NANOTECHNOLOGY STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 113)

[IEC/TS 62607-4-6 Ed. 1.0 en:2018](#), Nanomanufacturing - Key control characteristics - Part 4-6: Nano-enabled electrical energy storage devices - Determination of carbon content for nano electrode materials, infrared absorption method, \$82.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

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

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: [usatbtep@nist.gov](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 AN consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

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

## ANSI Accredited Standards Developers

### Approval of Accreditation

#### American Water Works Association (AWWA)

ANSI's Executive Standards Council has approved the reaccreditation of the American Water Works Association (AWWA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on AWWA-sponsored American National Standards, effective February 14, 2018. For additional information, please contact: Mr. Paul J. Olson, P.E., Sr. Manager of Standards, American Water Works Association, 6666 W. Quincy Avenue, Denver, CO 80235; phone: 303.347.6178; e-mail: [polson@awwa.org](mailto:polson@awwa.org).

#### Consumer Technology Association (CTA)

ANSI's Executive Standards Council has approved the reaccreditation of the Consumer Technology Association (CTA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on CTA-sponsored American National Standards, effective February 13, 2018. For additional information, please contact: Ms. Veronica Lancaster, Sr. Director, Standards Program, Consumer Technology Association, 1919 S. Eads Street, Arlington, VA 22202; phone: 703.907.7697; e-mail: [vlancaster@cta.tech](mailto:vlancaster@cta.tech).

### Reaccreditation

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

#### Comment Deadline: March 19, 2018

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited Procedures for ASHRAE Standards Actions (PASA) for documenting consensus on ASHRAE-sponsored American National Standards, under which it was last reaccredited in 2015. 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: Ms. Tanisha Meyers-Lisle, Procedures Administrator, ASHRAE, 1791 Tullie Circle NE, Atlanta, GA 30329; phone: 678.539.1111; e-mail: [TMeyers-Lisle@ashrae.org](mailto:TMeyers-Lisle@ashrae.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 ASHRAE by March 19, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office ([jthomps@ANSI.org](mailto:jthomps@ANSI.org)).



# U.S. National Committee/International Electrotechnical Commission (USNC/IEC)

Looking for VTAG Members for New IEC/Strategic  
Group on Digital Transformation

U.S. Mirror Committee for Strategic Group (SG) 12  
– Digital Transformation

The IEC SMB transitioned ahG 77 on Digital Transformation  
into a new Strategic Group and the U.S. will be participating.

**Title:**

US VTAG for SG 12 – Digital Transformation

**Scope:**

To advise US SG12 Members in developing the SMB's  
strategy to standardization in the digital age and the  
requirements necessary for the technical work, by:

- Defining the aspects of the Digital Transformation  
that are relevant to the IEC and standardization  
activities;
- Identifying emerging trends, technologies and  
practices needed for the development, delivery  
and use of IEC's work;
- Providing a link between IEC's activities and those  
of external entities (e.g. ISO, ITU, etc.) and the  
technical work under supervision of IEC;
- Providing a platform for relevant discussion and  
collaboration with internal and external  
participation.

Anyone interested in joining the US VTAG for IEC SG 12 -  
Digital Transformation is invited to contact Samuel Roods at  
sroods@ansi.org.

## 2018 ANSI EGS-1 PROPOSED CHANGES

~~5.5.2.6 Wiring and cables shall not that may be exposed to dripage of fuel, oil, or grease, or other materials, chemicals 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 applicable chemicals.~~

**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 Instruction 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 generator 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 generator, 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 generator shipped by the engine generator manufacturer.

#### 4. Definitions

**Recreational Vehicle:** A vehicular-type structure 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."

**BSR/UL 60079-29-4, Standard for Safety for Explosive Atmospheres – Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases**

**1. This proposal provides revisions to the proposal document dated November 17, 2017 for the Adoption of IEC 60079-29-4, Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases, (first edition, issued by IEC November 2009 and Corrigendum 1 issued August 2010) as a new IEC-based UL standard, UL 60079-29-4 to the applicable requirements per comments received.**

**PROPOSAL**

**5.4.21 Direct solar radiation (applicable for equipment intended for outdoor use)**

The transmitter and receiver shall be prepared as in 5.4.1, mounted as indicated in 5.2.3 and positioned as defined in 5.3.2.

Radiation from the sun shall be reflected from a plane front surface mirror or composite mirror arrangement towards the inlet aperture of the equipment. An iris shall be inserted into the beam to ensure that only radiation from within the sun's disc is reflected towards the inlet aperture. The radiation intensity measured in front of the receiver inlet aperture shall be  $800 \text{ W/m}^2 \pm 50 \text{ W/m}^2$ . Higher values of radiation intensity may be agreed upon by the manufacturer and test laboratory.

NOTE 1 An appropriate mask may be used to attenuate the radiation.

NOTE 2 An inclination greater than  $30^\circ$  above the horizon is generally necessary to achieve a light intensity of  $750 \text{ W/m}^2$ .

The intensity of radiation from the transmitter measured at the entrance of the receiver aperture shall be attenuated to the value experienced when operating over maximum range.

A mid-range test cell or gas simulation filter as described in 5.2.4.6 shall be inserted into the beam close to the transmitter or receiver and shall be of sufficient size to ensure that there is no obstruction of the reflected radiation beam.

The mirror shall be orientated so that the inclination of the reflected solar radiation to the optical axis of the equipment is fixed successively at  $+10^\circ$ ,  $+3^\circ$ ,  $-3^\circ$  and  $-10^\circ$  in two mutually perpendicular planes, the angular tolerance in each case being  $\pm 1^\circ$ .

NOTE 3 Where it is possible to rotate a receiver or transceiver about its optical axis, an alternative arrangement is for the mirror to be located successively at only two positions providing radiation incident at  $10^\circ \pm 1^\circ$  and  $3^\circ \pm 1^\circ$  to the optical axis and for the receiver or transceiver to be rotated about the optical axis of the instrument through  $0^\circ \pm 1^\circ$ ,  $90^\circ \pm 1^\circ$ ,  $180^\circ \pm 1^\circ$  and  $270^\circ \pm 1^\circ$  in each of the cases.

At each inclination, the equipment shall be allowed to stabilise before measurements of the mid-range concentration are recorded.

Throughout the test the equipment shall continue to operate and shall not generate inhibition fault or alarm signals. The measured signal after stabilization at each of the angles of inclination shall not exceed  $\pm 10\%$  of the measuring range or  $\pm 20\%$  of the measured value, whichever is greater.

**5.4.21DV.1 DR Deletion of Clause 5.4.21DV.1 which will result in the original IEC text being maintained:**

~~5.4.21DV.1.1 Throughout the test the equipment shall continue to operate and shall not generate inhibition fault or alarm signals. The measured signal after stabilization at each of the angles of inclination shall not exceed  $\pm 10.75\%$  of the measuring range or  $\pm 20.15\%$  of the measured value, whichever is greater.~~

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

### 1. Update PTFE Generic RTI in Table 7.1 for Materials that Contain Inert Additives

**Table 7.1**

Relative thermal indices based upon past field-test performance and chemical structure<sup>a</sup>

Material	ISO designation	Generic thermal index, °C
Polyamide <sup>b</sup>	PA	65
Polycarbonate <sup>b</sup>	PC	80
Polycarbonate/Siloxane Copolymer <sup>k</sup>	PC/Siloxane	80
Polyethylene terephthalate - molding resin <sup>b</sup>	PET	75
film (0.25 mm maximum)	PET	105
Polybutylene (polytetramethylene) terephthalate <sup>b</sup>	PBT	75
Polyphenylene Ether (including PS, PA, PP, or TPE modified) <sup>j</sup>	PPE	65
Polypropylene <sup>b,h</sup>	PP	65
Polyetherimide <sup>g</sup>	PEI	105
Polyethersulfone	PES	105
Polyether Ether Ketone	PEEK	130
Polyphthalamide <sup>m</sup>	PPA	85
Polyphenylene Sulfide <sup>b</sup>	PPS	130
Polyimide film (0.25 mm maximum)	PI	130
Molded phenolic <sup>c</sup>	PF	150
Molded melamine <sup>c,d</sup> and Molded melamine/phenolic <sup>c,d</sup> - specific gravity < 1.55		130
specific gravity ≥ 1.55		150
Polytetrafluoroethylene	PTFE	180
<u>Without inert fillers and/or reinforcements</u>		<u>180</u>
<u>With inert fillers and/or reinforcements</u>		<u>130</u>
Polychlorotrifluoroethylene	PCTFE	150

Fluorinated ethylene propylene	FEP	150
Poly(tetrafluoroethylene, hexafluoropropylene, vinylidene fluoride) <sup>l</sup>	TFE/HFP/VDF	130
Ethylene/Tetrafluoroethylene	E/TFE	105
Urea Formaldehyde <sup>c</sup>	UF	100
Acrylonitrile - butadiene - styrene <sup>b</sup>	ABS	60
Silicone - molding resin <sup>c,d</sup>		150
Silicone rubber - molding resin	SIR	150
addition-cure, vinyl, platinum catalyzed		150
room-temperature vulcanizing, condensation or heat-cured paste	RTV	105
Epoxy - molding resin <sup>c,d</sup>		130
powder coating materials		105
casting or potting resin <sup>b,i</sup>	EP	90
Molded diallyl phthalate <sup>c,d</sup>		130
Molded unsaturated polyester <sup>c,d</sup> alkyd (AMC), bulk (BMC), dough (DMC), sheet (SMC), thick (TMC), and pultrusion molding compounds	UP	105 <sup>e</sup> (electrical) 130 (mechanical)
Liquid crystalline thermotropic aromatic polyester <sup>f</sup>	LCP	130
Ligno-cellulose laminate		60
Vulcanized fiber		90
Cold-molded phenolic, melamine or melamine- phenolic compounds <sup>d</sup> - specific gravity < 1.55		130
specific gravity ≥ 1.55		150
Cold-molded inorganic (hydraulic-cement, etc.) compounds		200
Integrated mica, resin-bonded - epoxy, alkyd or polyester binder		130

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phenolic binder		150
silicone binder		200

<sup>a</sup> Generic thermal index is for homopolymer and for the compounding of the same type or relative resins, either grafted or ungrafted only, unless a specific copolymer or blend is indicated. In the case of alloys, the lowest generic index of any component shall be assigned to the composite. The term "grafted" means all of the monomer reacts to form a polymer, and the polymer chain forms a chemical bond. The term "ungrafted" means that the two types of polymer chains entwine with each other by mechanical blending to form a chemical composite.

<sup>b</sup> Includes glass-fiber reinforcement and/or talc, asbestos, mineral, calcium carbonate, compounding of the same type of resins, either grafted or ungrafted and other inorganic fillers.

<sup>c</sup> Includes only compounds molded by high-temperature and high-pressure processes such as injection, compression, pultrusion, and transfer molding and match-metal die molding; excludes compounds molded by open-mold or low-pressure molding processes such as hand lay-up spray-up, contact bag, filament winding, rotational molding, and powder coating (fluidized bed, electrostatic spray, hot dip, flow coating).

<sup>d</sup> Includes materials having filler systems of fibrous (other than synthetic organic) types but excludes fiber reinforcement systems using resins that are applied in liquid form. Synthetic organic fillers are to be considered acceptable at temperatures not greater than 105°C.

<sup>e</sup> Except 130°C generic thermal index if the material retains at least 50% of its unaged dielectric strength after a 504-hour exposure at 180°C in an air circulating oven. Specimens are to be tested in a dry, as molded, condition. Specimens that are removed from the oven are to be cooled over desiccant for at least 2 hours prior to testing.

<sup>f</sup> Includes only wholly aromatic liquid crystalline thermotropic polyesters; wholly aromatic polyester/amides and wholly aromatic polyester/ethers; excluding amorphous, lyotropic and liquid crystalline aliphatic-aromatic polyesters which are aliphatic in the backbone chain or main chain, and substituted aromatic polyesters (except for methyl or aromatic).

<sup>g</sup> Includes only polyetherimide molding resin.

<sup>h</sup> Includes polypropylene copolymers containing not more than 25% ethylene comonomer, by weight.

<sup>i</sup> Multi-part liquid epoxy materials incorporating acid anhydride or aromatic amine curing agents receive a 130°C generic thermal index.

<sup>j</sup> Includes only those polyphenylene ether materials (polystyrene, polyamide, polypropylene, or thermoplastic elastomer modified) in which the PPE component is not less than 30% of the total composition by weight and that have a Heat Deflection Temperature of at least 70°C at a load (fiber stress) of 1.80 MPa (264 psi).

<sup>k</sup> PC/Siloxane Copolymers in which siloxane comprises less than, or equal to, 5% of the total material composition by weight.

<sup>l</sup> Must have a minimum peak melting point of 160 °C, with less than 25% VDF monomer by weight and the remainder being fully fluorinated monomers.

<sup>m</sup> PPA definition according to ASTM D5336: polyphthalamide, PPA, n—a polyamide in which residues of terephthalic acid or isophthalic acid or a combination of the two comprise at least 55 molar percentage of the dicarboxylic acid portion of the repeating structural units in the polymer chain. Additionally, this definition includes only those polyphthalamide materials that have a Glass Transition Temperature (T<sub>g</sub>) of at least 85°C, when determined through second-heat DSC testing in accordance with the Differential Scanning Calorimetry, Section 47 of the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A.

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## BSR/UL 864-201x, *Standard for Safety for Control Units and Accessories for Fire Alarm Systems*

### 1. Multiple Primary Batteries Providing Greater Reliability

#### 55.4 Primary batteries

55.4.1 ~~A primary battery is~~ Primary batteries are not prohibited from being used when all of the following conditions are met:

- a) ~~The capacity of the primary battery~~ batteries shall be monitored for integrity. The ~~battery~~ batteries shall be monitored while loaded by:
- 1) Transmission of the transmitter or
  - 2) A load equivalent to the load imposed by transmission.
- b) ~~A required battery trouble status signal shall be transmitted to the receiver/signaled to receiver and indicated at the fire alarm operator interface for a minimum of 7 days before the battery capacity of the transmitter/transceiver/product has depleted to a level insufficient to maintain proper non-alarm operation of the transmitter/transceiver/product. The battery trouble signal annunciation at the receiver/control unit is not prohibited from initially being delayed up to 4 hr. The battery trouble signal shall be retransmitted at intervals not exceeding four hours or the product locks in the signal to the control unit until the battery is replaced.~~
- c) The battery trouble signal annunciation at the receiver/control unit is not prohibited from initially being delayed up to 4 hr.
- d) The battery trouble signal shall be retransmitted at intervals not exceeding four hours or the product locks in the signal to the control unit until the battery is replaced.

Exception: Transmitter/transceiver/receiver combinations utilizing two-way communication where all of the following conditions are met:

- 1) The transceiver/receiver acknowledges receipt of the change of status signal to the corresponding transceiver/transmitter; and
- 2) The receiver/control unit annunciates the current trouble status of the corresponding input or output RF device after manual reset of the receiver/control unit.

e) ~~The battery~~ Batteries (of the transmitter/transceiver/product) shall be capable of operating the transmitter/transceiver/product, including the initiating device (if powered by the same battery), for not less than 1 year of normal signaling service before the battery depletion threshold specified in (b) is reached.

f) ~~Annunciation of the battery trouble status signal at the receiver/control unit~~ fire alarm operator interface shall be distinctly different from alarm, supervisory, tamper, and initiating circuit trouble signals. It shall consist of an audible and visual signal that shall identify the affected transmitter/transceiver/product.

g) ~~The audible trouble signal of the receiver/control unit~~ fire alarm operator interface is not prohibited from being silenceable when provided with an automatic feature to resound the signal at intervals not exceeding 4 hr.

~~f)h)~~ The battery trouble status signal shall persist at the receiver/control unit fire alarm operator interface until the depleted battery has been replaced.

~~g)i)~~ Any mode of failure of a primary battery in a device shall not affect any other device.

~~h)j)~~ Where a single battery failure affects the intended operation of the transmitter/transceiver/product, Each each transmitter/transceiver/product serves shall serve only one device and is shall be individually identified at the receiver/control unit fire alarm operator interface.

k) A transmitter/transceiver/product shall be permitted to serve more than one device when all the following are met:

1) Multiple batteries are used

2) A single battery failure does not affect the operation of transmitter/transceiver/product

3) Each battery shall be individually monitored for battery depletion as described in (a)

4) Each battery upon reaching depletion shall cause the transmitter/transceiver/product to transmit a low battery trouble signal as described in (b)

5) Each transmitter/transceiver/product shall be individually identified at the fire alarm operator interface

## **2. Amendments to Class A Requirements for Wireless Pathways**

56.1.8 Pathways designated Class A shall operate as follows:

a) A redundant path/channel is included.

b) Operational capability continues past a single open, and the single open fault shall result in the annunciation of a trouble signal.

~~c) Operational capability in a radio frequency and/or wireless pathway/channel continues during a single fault consisting of each of the following applied separately: loss of a transceiver, loss of a repeater, application of an adverse condition at a transceiver/repeater. The fault shall result in the annunciation of a trouble signal.~~

1) application of an adverse condition at a transceiver/repeater other than the device under test

2) blocking one transmission path/channel while in use at the device under test for sending and/or receiving signals; and

3) blocking one path/channel at the control unit receiver/transceiver while that channel is in use for receiving signals from and/or sending signals to the device under test

The fault shall result in the annunciation of a trouble signal when two paths/channels are no longer available.

d) Each transceiver and/or repeater in a radio frequency and/or wireless pathway/channel is powered by one of the following means:

1) Both a primary source meeting 55.2 and a secondary source meeting 55.3

2) Multiple primary batteries meeting 55.4 (k)

d)e) Conditions that affect the intended operation of the ~~path~~required paths are annunciated as a trouble signal.

e)f) Operational capability is maintained during the application of a single ground fault.

f)g) A single ground condition shall result in the annunciation of a trouble signal.

g)h) Where operational capability is to be maintained during a fault, the operational capability shall be restored within 200 s of the application of the fault.

*Exception No. 1: Requirements (e)f) and (f)g) shall not apply to non-conductive pathways (e.g. wireless or fiber).*

*Exception No. 2: Requirement (b) shall not apply to radio frequency/wireless pathways.*

### **3. Requirement amendments to Classes B, C and X to include wireless pathways**

56.1.9 Pathways designated as Class B shall operate as follows:

a) A redundant path is not included.

b) Operational capability stops at a single open.

c) Conditions that affect the intended operation of the path are annunciated as a trouble signal.

d) Operational capability is maintained during the application of a single ground fault.

e) A single ground condition shall result in the annunciation of a trouble signal.

f) Each transceiver and/or repeater in a radio frequency and/or wireless pathway/channel is powered by one of the following means:

1) Both a primary source meeting 55.2 and a secondary source meeting 55.3

2) Multiple primary batteries meeting 55.4 (k)

f)g) Where operational capability is to be maintained during a fault, the operational capability shall be restored within 200 s of the application of the fault.

*Exception: Requirements (d) and (e) shall not apply to non-conductive pathways (e.g. wireless or fiber).*

56.1.10 Pathways designated as Class C shall operate as follows:

a) One or more pathways are included.

b) Operational capability is verified via end-to-end communication.

- c) The integrity of individual paths is not required to be monitored.
- d) A loss of end-to-end communication shall result in the annunciation of a trouble signal.
- e) Each transceiver and/or repeater in a radio frequency and/or wireless pathway/channel is powered by one of the following means:
  - 1) Both a primary source meeting 55.2 and a secondary source meeting 55.3
  - 2) Multiple primary batteries meeting 55.4 (k)

Exception: The end device on the pathway

56.1.11 Pathways designated as Class D shall perform the circuit's intended operation in the event of a pathway failure. Annunciation of the pathway failure is not required.

56.1.12 A pathway shall be designated as Class E when it is not monitored for integrity.

56.1.13 Pathways designated as Class X shall operate as follows:

- a) A redundant path is included.
- b) Operational capability continues past a single open, and the single open fault shall result in the annunciation of a trouble signal.
- c) Operational capability in a radio frequency and/or wireless pathway/channel continues during a single fault consisting of each of the following applied separately: ~~loss of a transceiver, loss of a repeater, application of an adverse condition at a transceiver/repeater. The fault shall result in the annunciation of a trouble signal.~~
  - 1) application of an adverse condition at a transceiver/repeater other than the device under test
  - 2) blocking one transmission path/channel while in use at the device under test for sending and/or receiving signals; and
  - 3) blocking one path/channel at the control unit receiver/transceiver while that channel is in use for receiving signals from and/or sending signals to the device under test

The fault shall result in the annunciation of a trouble signal.

- d) Each transceiver and/or repeater in a radio frequency and/or wireless pathway/channel utilizes frequency hopping spread spectrum technology or equivalent means to ensure the reliability of pathways.
- e) Each transceiver and/or repeater in a radio frequency and/or wireless pathway/channel is powered by one of the following means:
  - 1) Both a primary source meeting 55.2 and a secondary source meeting 55.3

2) Multiple primary batteries meeting 55.4 (k)

d)f) Operational capability continues past a single short circuit, and the single short-circuit fault shall result in the annunciation of a trouble signal.

e)g) Operational capability continues past a combination open fault and ground fault.

f)h) Conditions that affect the intended operation of the path are annunciated as a trouble signal.

g)i) Operational capability is maintained during the application of a single ground fault.

h)j) A single ground condition shall result in the annunciation of a trouble signal.

i)k) Where operational capability is to be maintained during a fault, the operational capability shall be restored within 200 s of the application of the fault.

*Exception No. 1: Requirements (d)f), (e)g), (g)i), and (h)j) shall not apply to nonconductive pathways (e.g. wireless or fiber).*

*Exception No. 2: Requirement (b) shall not apply to radio frequency/wireless pathways.*

**4. Exception to repeated wireless transmission of alarm and supervisory signals where end-to-end acknowledgment is provided.**

56.5.8 To provide higher priority to alarm and supervisory signals than to other signals, alarm and supervisory signals shall be periodically repeated at intervals not exceeding 60 s until the initiating device is returned to its non-alarm condition. Receiver/control units activating RF appliances shall automatically repeat alarm and supervisory signal transmissions at intervals not exceeding 60 s or until confirmation that the output appliance received the signal. The duty cycle of the transmission shall be not more than 15% measured over a one-min interval.

*Exception: Transmitter/transceiver/receiver combinations utilizing two-way communication where all the following conditions are met:*

1) The transceiver/receiver acknowledges receipt of the change of status signal to the corresponding transceiver/transmitter; and

2) The receiver/control unit annunciates the current trouble status of the corresponding input or output RF device after manual reset of the receiver/control unit.