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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: December 17, 2017

### NSF (NSF International)

#### *Revision*

BSR/NSF 8-201x (i11r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2012)

Equipment covered by this Standard includes, but is not limited to, coffee grinders, grinders, mixers, pasta makers, peelers, saws, slicers, tenderizers, and similar equipment.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Allan Rose, (734) 827-3817, [arose@nsf.org](mailto:arose@nsf.org)

### NSF (NSF International)

#### *Revision*

BSR/NSF 14-201x (i92r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider, (734) 418-6660, [jsnider@nsf.org](mailto:jsnider@nsf.org)

### NSF (NSF International)

#### *Revision*

BSR/NSF 50-201x (i131r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

This Standard covers materials, components, products, equipment, and systems related to public and residential recreational water facility operation.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider, (734) 418-6660, [jsnider@nsf.org](mailto:jsnider@nsf.org)

### NSF (NSF International)

#### *Revision*

BSR/NSF 173-201x (i74r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

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

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Rachel Brooker, (734) 827-6866, [rbrooker@nsf.org](mailto:rbrooker@nsf.org)

### NSF (NSF International)

#### *Revision*

BSR/NSF 347-201x (i4r3), Sustainability Assessment for Single Ply Roofing Membranes (revision of ANSI/NSF 347-2012)

This sustainability standard establishes an approach to the evaluation of the sustainability of single-ply roofing membranes. As used in this Standard, "Single Ply Roofing Membrane" includes, but is not limited to, EPDM (EthylenePropylene Diene Terpolymer), KEE (Ketone Ethylene Ester), PVC (Poly (Vinyl Chloride)), TPO (Thermoplastic Polyolefin), and PIB (Polyisobutylene) products.

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

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

**NSF (NSF International)****Revision**

BSR/NSF 358-2-201x (i2r1), Polypropylene Pipe and Fittings for Water-Based Ground-Source "Geothermal" Heat Pump Systems (revision of ANSI/NSF 358-2-2012)

The physical and performance requirements in this standard apply to plastic piping system components as well as non-plastic components of the ground-loop heat exchanger including but not limited to pipes and fittings used in water-based ground-source heat-pump systems. This Standard is intended for ground-loop heat exchangers with a maximum temperature and pressure of 140°F (60°C) at 100 psi. Water-based ground-source heat pump systems commonly include the use of anti-freeze, heat-transfer fluids, or other chemical additives. This standard does not cover refrigerant-based ground-loop heat exchangers such as direct expansion (DX) systems.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jason Snider, (734) 418-6660, [jsnider@nsf.org](mailto:jsnider@nsf.org)

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

BSR/UL 25A-201x, 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)

This proposal revises the testing requirements for seal materials.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Marcia Kawate, (510) 319-4259, [Marcia.M.Kawate@ul.com](mailto:Marcia.M.Kawate@ul.com)

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

BSR/UL 25B-201x, Standard for Safety for Meters 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)

This proposal revises the testing requirements for seal materials.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Marcia Kawate, (510) 319-4259, [Marcia.M.Kawate@ul.com](mailto:Marcia.M.Kawate@ul.com)

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

BSR/UL 676-201x, Luminaires and Submersible Junction Boxes (Proposal dated 11/17/17) (revision of ANSI/UL 676-2015)

This proposal includes (1) Corrections to references; (2) Editorial revisions; (3) Addition of a Conduit Hub Torque Test; and (4) Clarification of the Abnormal Temperature Test in 34.7.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Wilbert Fletcher, (919) 549-1337, [Wilbert.Fletcher@ul.com](mailto:Wilbert.Fletcher@ul.com)

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

BSR/UL 763-201x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2017)

The following changes to UL 763 are being proposed: Electronic media instructions, revision of B1.9, and removal of Table B1.1.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Anne Marie Jacobs, (919) 549-0954, [annemarie.jacobs@ul.com](mailto:annemarie.jacobs@ul.com)

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

BSR/UL 6703-201x, Standard for Connectors for Use in Photovoltaic Systems (revision of ANSI/UL 6703-2017)

(1) Additional requirements to allow for AL Conductors of AA-8000 Grade or higher.

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

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

## Comment Deadline: January 1, 2018

### **AAFS (American Academy of Forensic Sciences)**

#### ***New Standard***

BSR/ASB BPR 009-201x, Best Practice Recommendations for the Examination of Human Remains by Forensic Pathologists in the Disaster Victim Identification Context (new standard)

The purpose of this document is to provide best practices and guidelines regarding post-mortem data collection by forensic pathologists to aid in the identification of human remains following a mass fatality incident. This document does not speak to the role forensic pathologists may have in death certification or in management of the overall operation, but rather is limited to the morgue operations role. In the absence of a specific guideline, the principle, spirit, and intent of this document should be met. The priorities established in a mass fatality incident will be dictated by the specifics of the incident and the directives established by the medicolegal authority of that jurisdiction. The forensic pathologist should recognize that the objectives addressed by the examination of human remains in a mass fatality incident may differ from routine caseload management in their daily practice. The examination objectives in cases where mortal injuries are externally obvious may prioritize data collection for identification purposes over internal demonstration of injuries with a complete autopsy. It is important that the forensic pathologist shift their perspective and recognize that what they consider essential in their daily caseload management practice may not be the objective in a specific mass fatality incident. In the DVI operation, the forensic pathologist belongs to a multi-disciplinary team and often serves as the main examiner or scientific team leader during the post-mortem examination. Forensic pathologists are responsible for the collection of data derived from the physical examination of human remains recovered from mass fatality incidents, for the purpose of: (1) scientific identification and (2) determination of cause and manner of death. This examination includes, but is not limited to, documentation of personal effects, recognition of unique morphoscopic identifiers, review of radiologic assessments and recovery of medical devices. Forensic pathologists also collect evidence and document injuries. DVI practitioners are encouraged to develop, implement, exercise, and review their mass fatality incident response operating procedures in light of these guidelines and best practices, and to update their procedures as needed. It is anticipated that these guidelines will evolve as future technologies emerge.

Single copy price: Free

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

Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

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

### **ADA (American Dental Association)**

#### ***New National Adoption***

BSR/ADA 35-201x, Dental Handpieces and Motors (national adoption with modifications of ISO 14457:2012)

This standard is applicable to handpieces and motors used in dentistry for patient contact, regardless of their construction. It specifies requirements, test methods, manufacturer's instructions, marking, and packaging.

Single copy price: \$162.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

### **ADA (American Dental Association)**

#### ***New National Adoption***

BSR/ADA 117-201x, Fluoride Varnishes (identical national adoption of ISO 17730:2014)

This standard specifies requirements and their test methods for total digestible fluoride content in dental varnishes containing fluoride intended for use in the oral cavity directly on the outer surfaces of teeth and fillings. This standard applies to fluoride varnishes to be applied by dental healthcare workers. The requirements for packaging, labeling, and instructions for use are included.

Single copy price: \$45.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 126-201x, Casting Investments and Refractory Die Materials (identical national adoption of ISO 15912:2016 and revision of ANSI/ADA Standard No. 126-2015)

This standard specifies requirements and test methods for the physical and mechanical properties of dental casting investment and refractory die materials regardless of the binding system used. The requirements for marking, labeling, and manufacturer's instructions also are included.

Single copy price: \$138.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 127-201x, Dynamic Load Test for Endosseous Dental Implants (identical national adoption of ISO 14801:2016 and revision of ANSI/ADA Specification No. 127-2012 (ISO 14801))

This standard specifies a method of fatigue testing of single-post endosseous dental implants of the transmucosal type and their premanufactured prosthetic components.

Single copy price: \$103.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 134-201x, Metallic Materials for Fixed and Removable Restorations and Appliances (identical national adoption of ISO 22674:2016 and revision of ANSI/ADA Standard No. 134 (ISO 22674)-2013)

This standard classifies metallic materials that are suitable for the fabrication of dental restorations and appliances and specifies requirements and test methods for their chemical, mechanical, and physical properties. The requirements for marking, packaging, and manufacturer's instructions are included.

Single copy price: \$185.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 158-201x, Coupling Dimensions for Handpiece Connectors (identical national adoption of ISO 3964:2016)

This standard specifies the nominal dimensions, tolerances, and the extraction force of coupling systems for use between handpiece and motor that supply the handpiece with water, air and light, and rotation energy.

Single copy price: \$68.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 159-201x, Coiled Springs for Use in Orthodontics (identical national adoption of ISO 17254:2016)

This standard provides requirements and test methods to compare the physical and mechanical properties of coiled springs as well as packaging and labeling requirements.

Single copy price: \$45.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 161-201x, Guidance on Color Measurement in Dentistry (identical national adoption of ISO/TR 28642:2016)

This standard specifies major topics related to color shade compatibility and stability, and describes visual and instrumental methods for their assessment.

Single copy price: \$68.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 163-201x, Dental Furnace - Test Method for Temperature Measurement with Separate Thermocouple (identical national adoption of ISO 13078:2013)

This standard specifies a test method for the calibration and adjustment of dental furnace temperature that is suitable for the heat treatment of silica-based dental ceramic restorations.

Single copy price: \$45.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 164-201x, Dental Furnace - Part 2: Test Method for Evaluation of Furnace Program via Firing Glaze (identical national adoption of ISO 13078-2:2016)

This standard presents a test method for adapting the firing program of a dental furnace by determining the degree of firing of fired test specimens for a dental ceramic.

Single copy price: \$68.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **ADA (American Dental Association)**

### ***New National Adoption***

BSR/ADA 167-201x, Dental Unit Water Line Test Methods (identical national adoption of ISO 16954:2015)

This standard provides test methods for evaluating the effectiveness of treatment methods intended to prevent or inhibit the formation of biofilm in dental-unit water-delivery systems.

Single copy price: \$103.00

Obtain an electronic copy from: [wardm@ada.org](mailto:wardm@ada.org)

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, (312) 587-4129, [bralowerp@ada.org](mailto:bralowerp@ada.org)

## **AISI (American Iron and Steel Institute)**

### ***New Standard***

BSR/AISI S919-201x, Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members (new standard)

This Standard establishes the test method for determining the nominal flexural strength [resistance] and stiffness of cold-formed steel nonstructural members.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S201-201x, North American Standard for Cold-Formed Steel Framing - Product Data (revision of ANSI/AISI S201-2012)

This standard defines cross-section shapes, dimensions, and properties, along with material properties, manufacturing tolerances, product identification, and product labeling requirements for cold-formed steel structural and nonstructural framing members such as, but not limited to studs, joists, furring channels, cold-rolled channels, and angles.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S901-201x, Test Standard for Determining the Rotational-Lateral Stiffness of Beam-to-Panel Assemblies (revision of ANSI/AISI S901-2013)

This Standard is to determine the rotational-lateral stiffness of beam-to-panel assemblies. This Standard applies to structural subassemblies consisting of panel, beam, and joint components, or of the joint between a wall, floor, ceiling, or roof panel and the supporting beam (purlin, girt, joist, stud, etc.). This Standard is also used to establish a limit of the displacements for avoiding joint failure.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S902-201x, Test Standard for Determining the Effective Area of Cold-Formed Steel Compression Members (revision of ANSI/AISI S902-2013)

This Standard provides methods to determine the effective cross-sectional area of cold-formed steel compression members.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S903-201x, Test Standard for Determining the Uniform and Local Ductility of Carbon and Low-Alloy Steels (revision of ANSI/AISI S903-2013)

This Standard provides method to determine uniform and local ductility of carbon and low-alloy steels from a tension test.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S904-201x, Test Standard for Determining the Tensile and Shear Strengths of Steel Screws (revision of ANSI/AISI S904-2013)

This Standard establishes procedures for conducting tests to determine the tensile and shear strength of steel screws. The screws may be carbon, stainless, or bi-metal thread-forming or thread-cutting screws, with or without a self-drilling point, and with or without washers. The intended application for these screws is to connect cold-formed sheet steel material.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S905-201x, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections (revision of ANSI/AISI S905-2013)

This Standard applies to test methods to determine the strength and deformation characteristics of mechanically fastened and welded connections for cold-formed steel building components. Connections that are stressed in shear (loads applied perpendicular to the shank or cross-section of the fastener, or in plane with the connection faying surfaces) and connections that are stressed in tension (loads applied parallel to the shank or cross-section of the fastener, or perpendicular to the connection faying surfaces), and the interaction effects on connections are included.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S906-201x, Test Standard for Determining the Load-Carrying Strength of Panels and Anchor-to-Panel Attachments for Roof or Siding Systems Tested in Accordance With ASTM E1592 (revision of ANSI/AISI S906-2013)

This procedure extends and provides methodology for the interpretation of the results of tests performed according to ASTM E1592.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S907-201x, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms by the Cantilever Test Method (revision of ANSI/AISI S907-2013)

This Standard applies to framed cold-formed steel panel floor, roof, and wall diaphragm construction and provides requirements for static and cyclic testing of floor, roof, and wall diaphragm assemblies.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S908-201x, Test Standard for Determining the Flexural Strength Reduction Factor of Purlins Supporting a Standing Seam Roof System (revision of ANSI/AISI S908-2013)

The purpose of this test Standard is to provide a method to obtain the reduction factor for use in determining the nominal flexural strength [resistance] of a purlin supporting a standing seam roof system.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**AISI (American Iron and Steel Institute)****Revision**

BSR/AISI S909-201x, Test Standard for Determining the Web Crippling Strength of Cold-Formed Steel Flexural Members (revision of ANSI/AISI S909-2013)

This Standard establishes procedures for conducting tests to determine the nominal web crippling strength [resistance] of cold-formed steel flexural members.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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



## **AISI (American Iron and Steel Institute)**

### **Revision**

BSR/AISI S910-201x, Test Standard for Determining the Distortional Buckling Strength of Cold-Formed Steel Hat-Shaped Compression Members (revision of ANSI/AISI S910-2013)

This test method establishes procedures for determining the distortional buckling strength of cold-formed steel hat shaped compression members with an open cross-section.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

## **AISI (American Iron and Steel Institute)**

### **Revision**

BSR/AISI S911-201x, Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members (revision of ANSI/AISI S911-2013)

This Standard establishes a test method for determining the nominal flexural strength [resistance] of an open hat-shaped cross-section member subject to negative bending moment.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

## **AISI (American Iron and Steel Institute)**

### **Revision**

BSR/AISI S912-201x, Test Standard for Determining the Strength of a Roof Panel-to-Purlin-to-Anchorage Device Connection (revision of ANSI/AISI S912-2013)

The purpose of this test Standard is to obtain lower bound strength values for the roof panel-to-purlin-to-anchorage device connections in through-fastened and standing seam, multi-span, multi-purlin line roof systems, with or without intermediate braces. The test is not intended to determine the ultimate strength of the connections.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

## **AISI (American Iron and Steel Institute)**

### **Revision**

BSR/AISI S913-201x, Test Standard for Determining the Strength and Deformation Behavior of Hold-Downs Attached to Cold-Formed Steel Structural Framing (revision of ANSI/AISI S913-2013)

This Standard provides methods to determine both the strength and deformation behavior of hold-downs used in cold-formed steel light-frame construction.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7100, [Hchen@steel.org](mailto:Hchen@steel.org)

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

**ASA (ASC S3) (Acoustical Society of America)****Reaffirmation**

BSR ASA S3.36-2012 (R201x), Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI ASA S3.36-2012)

The present standard describes a manikin for airborne acoustic measurements. It comprises a head with external ears and ear canals, and a torso that simulates a median human adult. It is intended primarily as an instrument for measuring the response of acoustical devices under simulated in situ conditions. Acoustical performance requirements are given as well as informative geometric descriptions.

Single copy price: \$150.00

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

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

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

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

BSR/ASME B30.9-201X, Slings (revision of ANSI/ASME B30.9-2014)

Volume B30.9 includes provisions that apply to the fabrication, attachment, use, inspection, testing, and maintenance of slings used for load-handling purposes, used in conjunction with equipment described in other volumes of the B30 Standard, except as restricted in B30.12 and B30.23. Slings fabricated from alloy steel chain, wire rope, metal mesh, synthetic fiber rope, synthetic webbing, and polyester and high-performance fiber yarns in a cover(s) are addressed.

Single copy price: Free

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

Order from: <http://cstools.asme.org/publicreview>

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kathryn Hyam, (212) 591-8521, [hyamk@asme.org](mailto:hyamk@asme.org)

**ASSE (ASC A10) (American Society of Safety Engineers)****New Standard**

BSR/ASSE A10.21-201x, Safety Requirements for Safe Construction and Demolition of Wind Generation/Turbine Facilities (new standard)

This standard establishes the minimum requirements for protecting the safety and health of persons involved in construction and demolition operations addressing utility-scale land-based wind generation/turbine facilities.

Single copy price: \$80.00

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

Order from: [lbauerschmidt@asse.org](mailto:lbauerschmidt@asse.org)

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

**ASTM (ASTM International)****New Standard**

BSR/ASTM E585-201x, Standard Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: [cleonard@astm.org](mailto:cleonard@astm.org)

Order from: [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/AWS A3.0M/A3.0-201x, Standard Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying (revision of ANSI/AWS A3.0M/A3.0-2009)

This standard is a glossary of the technical terms used in the welding industry. Its purpose is to establish standard terms to aid in the communication of information related to welding and allied processes. Since it is intended to be a comprehensive compilation of welding terminology, nonstandard terms used in the welding industry are also included. All terms are either standard or nonstandard. They are arranged in word-by-word alphabetical sequence.

Single copy price: \$86.00

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

Order from: Stephen Borrero, (305) 443-9353, [sborrero@aws.org](mailto:sborrero@aws.org)

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

**BICSI (Building Industry Consulting Service International)*****New Standard***

BSR/BICSI N1-201x, Installation Practices for Telecommunications and ICT (new standard)

This standard describes minimum requirements and procedures for installing the cabling and cabling infrastructure for telecommunications and ICT systems. Additionally, this standard will provide recommendations which may optimize performance or longevity of the cabling and cabling infrastructure and serve as a reference for "neat and workmanlike manner" installation practices.

Single copy price: Free

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

Order from: Jeff Silveira, (813) 903-4712, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

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

**BICSI (Building Industry Consulting Service International)*****Revision***

BSR/BICSI 004-201x, Information and Communication Technology Systems Design and Implementation (revision of ANSI/BICSI 004-2013)

This Standard specifies design and installation requirements for telecommunications information technology systems within a healthcare building and between healthcare buildings in a campus environment. It defines terms, recommends cabling types and topology while also providing additional useful systems information and guidance on coordination between design and construction disciplines.

Single copy price: Free

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

Order from: Jeff Silveira, (813) 903-4712, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

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

**GTESS (Georgia Tech Energy & Sustainability Services)*****New National Adoption***

BSR/MSE/ISO 50007-201x, Energy services - Guidelines for the assessment and improvement of the energy service to users (identical national adoption of ISO 50007:2017)

This Standard provides guidance in the provision of energy services in situations where there is no clear legislation or regulation in place, covering aspects such as service contracts, payment methods, price determinations, tariffs and subsidies, equitable supply management and the needs of poor and/or vulnerable consumers. This Standard also covers concepts including the provision of energy informational advice and services to guide users to manage costs and to promote efficiency and conservation.

Single copy price: \$NA

Obtain an electronic copy from: [deann.desai@innovate.gatech.edu](mailto:deann.desai@innovate.gatech.edu)

Order from: [deann.desai@innovate.gatech.edu](mailto:deann.desai@innovate.gatech.edu)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [moon.kim@gtri.gatech.edu](mailto:moon.kim@gtri.gatech.edu)

**NEMA (ASC C137) (National Electrical Manufacturers Association)*****New Standard***

BSR C137.1-201X, Zero to Ten Volt (0-10V) Dimming Interface for LED Drivers, Fluorescent Ballasts, and Controls (new standard)

This standard specifies the 0-10 volt control interface method and performance requirements for dimmable LED drivers, fluorescent ballasts and dimming control units where output power is adjustable between minimum/off and maximum via a control input signal. The interface may be from one or more control units to one or more drivers or ballasts. NOTE: Dimmable LED drivers and fluorescent ballasts are referred to together as driver/ballast (s) in this standard. Applications include, but are not limited to, commercial, residential, industrial, roadway and area, and hospitality.

Single copy price: \$60.00

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

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

### ***New Standard***

BSR/TAPPI T 830 om-201x, Ink rub test of containerboard and corrugated board (new standard)

Ink rub testers are designed to evaluate the scuffing or rubbing resistance of an ink film or fiber surface on container board and corrugated board. A variety of tests may be made, including: dry rub, wet rub, heated rub, wet bleed or transfer, wet smear, and functional rub.

Single copy price: Free

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

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

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

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

### ***Reaffirmation***

BSR/UL 2043-2013 (R201X), Standard for Safety for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces (reaffirmation of ANSI/UL 2043-2013)

UL proposes a reaffirmation for UL 2043.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

### ***Reaffirmation***

BSR/UL 60730-2-10-2013 (R201x), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays (reaffirmation of ANSI/UL 60730-2-10-2013)

Administratively update the ANSI approval of the Standard and no technical changes are being proposed, nor have any been made since the date of the last approval.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alan McGrath, (847) 664-3038, [alan.t.mcgrath@ul.com](mailto:alan.t.mcgrath@ul.com)

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

### ***Reaffirmation***

BSR/UL 60730-2-11-2013 (R201x), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators (reaffirmation of ANSI/UL 60730-2-11-2013)

Administratively update the ANSI approval of the Standard and no technical changes are being proposed, nor have any been made since the date of the last approval.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alan McGrath, (847) 664-3038, [alan.t.mcgrath@ul.com](mailto:alan.t.mcgrath@ul.com)

## Comment Deadline: January 16, 2018

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

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

#### **New Standard**

BSR INCITS 538-201x, Information technology - SAS Protocol Layer - 4 (SPL-4) (new standard)

SAS Protocol Layer - 4 is the next generation of the protocol portion of the current Serial Attached SCSI. It follows SPL-3, SPL-2, SPL, and the protocol portions of SAS-2, and SAS-1.1. The following items should be considered for inclusion in SAS Protocol Layer - 4: (a) Support of a more efficient signal encoding and higher data rates proposed for SAS -4; (b) Enhancements to the protocol; (c) Corrections and clarifications; and (d) Other capabilities that may fit within the scope of this project.

Single copy price: Free

Obtain an electronic copy from: [https://standards.incits.org/apps/group\\_public/document.php?document\\_id=92788&wg\\_abbrev=eb](https://standards.incits.org/apps/group_public/document.php?document_id=92788&wg_abbrev=eb)

Order from: [https://standards.incits.org/apps/group\\_public/document.php?document\\_id=92788&wg\\_abbrev=eb](https://standards.incits.org/apps/group_public/document.php?document_id=92788&wg_abbrev=eb)

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

### UL (Underwriters Laboratories, Inc.)

#### **New Standard**

BSR/UL 962A-201x, Standard for Safety for Furniture Power Distribution Units (new standard)

(1) Proposed fifth edition of UL 962A, the Standard for Safety for Furniture Power Distribution Units.

Single copy price: \$Contact the UL Sales Site for pricing and delivery options

Obtain an electronic copy from: [www.shopulstandards.com](http://www.shopulstandards.com)

Order from: [www.shopulstandards.com](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.)

#### **New Standard**

BSR/UL 1363-201x, Standard for Safety for Relocatable Power Taps (new standard)

(1) Proposed fifth edition of UL 1363, the Standard for Safety for Relocatable Power Taps.

Single copy price: \$Contact the UL Sales Site for pricing and delivery options

Obtain an electronic copy from: [www.shopulstandards.com](http://www.shopulstandards.com)

Order from: [www.shopulstandards.com](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)

## Projects Withdrawn from Consideration

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

### **ASTM (ASTM International)**

ANSI/ASTM E651-2001 (R2008), Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building (withdrawal of ANSI/ASTM E651-2001 (R2008))

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

### **ASTM (ASTM International)**

BSR/ASTM D7776-201x, Guide for Self-Assessment of Quality System Practices in Petroleum Products and Lubricant Testing Laboratories (new standard)

[http://compass.astm.org/EDIT/html\\_annot.cgi?D7776+12#s00001](http://compass.astm.org/EDIT/html_annot.cgi?D7776+12#s00001)

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

### **ASTM (ASTM International)**

BSR/ASTM E651-200x, Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building (revision of ANSI/ASTM E651-2001 (R2008))

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK21136.htm>

**ASTM (ASTM International)**

BSR/ASTM F2807-2017 (R201x), Specification for Multilayer Polyethylene-Polyamide (PE-PA) Pipe for Pressure Piping Applications (reaffirmation of ANSI/ASTM F2807-2017)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

**NECA (National Electrical Contractors Association)**

BSR/NECA/NEMA 605-201X, Recommended Practice for Installing Underground Nonmetallic, Utility Duct (new standard)

**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.

**ASIS (ASIS International)**

ANSI ASIS SPC.4-2012, Maturity Model for the Phased Implementation of the Organizational Resilience Management System

Questions may be directed to: Aivelis Opicka, (703) 518-1439, [standards@asisonline.org](mailto:standards@asisonline.org)

**ASTM (ASTM International)**

ANSI/ASTM E651-2001 (R2008), Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building

Questions may be directed to: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

ANSI/ASTM F2768-2016, Specification for Modified Stub ACME Thread Joint with Elastomeric Seal in Plastic Piping Components

Questions may be directed to: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

ANSI/ASTM F2807-2017, Specification for Multilayer Polyethylene-Polyamide (PE-PA) Pipe for Pressure Piping Applications

Questions may be directed to: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

ANSI/ASTM F2896-2017, Specification for Reinforced Polyethylene Composite Pipe for the Transport of Oil and Gas and Hazardous Liquids

Questions may be directed to: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

ANSI Z80.5-2010, Frames

Questions may be directed to: Michael Vitale, 703-548-2684, [mvitale@thevisioncouncil.org](mailto:mvitale@thevisioncouncil.org)

# Announcements

## Public Review Comment Period Extended to December 26, 2017

### BSR/ACCA 15 OBD

ACCA is extending the public review comment period for BSR/ACCA 15 OBD, On-Board Diagnostic Codes for HVACR Equipment from a 45-day period (closing Dec 11, 2017) to a 60-day period (closing December 26, 2017).

BSR/ACCA 15 OBD, On-Board Diagnostic Codes for HVACR Equipment

Scope: This Standard applies to new HVACR equipment and components for use in new and existing residential and commercial buildings and commercial refrigeration applications.

Excluded are:

- HVACR equipment that do not provide fault/performance codes;
- HVACR equipment not designed/manufactured to support the naming schema defined in this Standard.

Contact: Danny Halel, Phone: 703-824-8868, E-mail: [danny.halel@acca.org](mailto:danny.halel@acca.org).

## Withdrawal by Accredited Standards Developer

### ANSI VC (ASC Z80) Standards

#### ANSI Z80.5-2010

In accordance with ANSI Essential Requirements section 4.2.1.3.2, Withdrawal by an Accredited Standards Developer, the following American National Standard(s) are hereby withdrawn:

ANSI Z80.5-2010, Frames

The ANSI Z80.5-2010 standard has been replaced by ANSI/ISO 8624-2016, Spectacle Frames - Measuring System and Terminology (identical national adoption of ISO 8624), ANSI/ISO 7998-2016, Spectacle Frames - Lists of Equivalent Terms and Vocabulary (identical national adoption of ISO 7988), and ANSI/ISO 12870-2016, Spectacle Frames - Requirements and Test Methods (identical national adoption of ISO 12870).

Direct inquiries to: Michael Vitale, at [mvitale@thevisioncouncil.org](mailto:mvitale@thevisioncouncil.org).

# 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.

## API (American Petroleum Institute)

**Office:** 1220 L Street NW  
Washington, DC 20005

**Contact:** John Buflod

**Phone:** (202) 682-8344

**Fax:** (202) 682-8344

**E-mail:** buflodj@api.org

BSR/API 19C-201x, Measurement of Properties of Proppants used in Hydraulic Fracturing and Gravel-packing Operations (revision and redesignation of ANSI/API RP 19C-ISO 13503-2, 1st Edition-2007)

## ASA (ASC S3) (Acoustical Society of America)

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

**Contact:** Neil Stremmel

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

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

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

BSR/ASA S3.36-2012 (R201x), Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI ASA S3.36-2012)

## 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 A10.21-201x, Safety Requirements for Safe Construction and Demolition of Wind Generation / Turbine Facilities. (new standard)

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

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

**Contact:** Karen Willis

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

**E-mail:** Karen.willis@nema.org

BSR/C137.1-201X, Zero to Ten Volt (0-10V) Dimming Interface for LED Drivers, Fluorescent Ballasts, and Controls (new standard)

## NSF (NSF International)

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

**Contact:** Allan Rose

**Phone:** (734) 827-3817

**Fax:** (734) 827-7875

**E-mail:** arose@nsf.org

BSR/NSF 8-201x (i11r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2012)

BSR/NSF 14-201x (i92r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)

BSR/NSF 50-201x (i131r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

BSR/NSF 173-201x (i74r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

BSR/NSF 347-201x (i4r3), Sustainability Assessment for Single Ply Roofing Membranes (revision of ANSI/NSF 347-2012)

BSR/NSF 358-2-201x (i2r1), Polypropylene Pipe and Fittings for Water-Based Ground-Source "Geothermal" Heat Pump Systems (revision of ANSI/NSF 358-2-2012)

## TIA (Telecommunications Industry Association)

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

**Contact:** Teesha Jenkins

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

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

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

BSR/TIA 604-19-201x, FOCIS 19-Fiber Optic Connector Intermateability Standard- Type: CS Connector (new standard)



## **Call for Members (ANS Consensus Bodies)**

### **Call for Committee Members**

#### **ASC O1 – Safety Requirements for Woodworking Machinery**

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

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at [jennifer@wmma.org](mailto:jennifer@wmma.org).

# Final Actions on American National Standards

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

## AA (ASC H35) (Aluminum Association)

### Reaffirmation

ANSI H35.5-2013 (R2017), Standard Nomenclature System for Aluminum Metal Matrix Composite Materials (reaffirmation of ANSI H35.5-2013): 11/14/2017

### Revision

ANSI H35.2-2017, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2-2013): 11/14/2017

ANSI H35.2M-2017, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2M-2013): 11/14/2017

ANSI H35.3-2017, Standard Designation System for Aluminum Hardeners (revision of ANSI H35.3-1997 (R2013)): 11/14/2017

ANSI H35.4-2017, Standard Designation System for Unalloyed Aluminum (revision of ANSI H35.4-2006 (R2013)): 11/14/2017

ANSI H35.1/H35.1(M)-2017, Standard Alloy and Temper Designation Systems for Aluminum (revision of ANSI H35.1/H35.1(M)-2013): 11/14/2017

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

### Reaffirmation

ANSI/AAMI NS4-2013 (R2017), Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013): 11/8/2017

## ANS (American Nuclear Society)

### Reaffirmation

ANSI/ANS 8.5-1996 (R2017), Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material (reaffirmation of ANSI/ANS 8.5-1996 (R2012)): 11/14/2017

## AWS (American Welding Society)

### Revision

ANSI/AWS D10.18M/D10.18-2017, Guide for Welding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing (revision of ANSI/AWS D10.18M/D10.18-2008): 11/14/2017

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

### Reaffirmation

ANSI N42.46-2008 (R2017), Standard for Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening (reaffirmation of ANSI N42.46-2008): 11/14/2017

## IEEE (Institute of Electrical and Electronics Engineers)

### New Standard

ANSI/IEEE 1484.13.4-2016, Recommended Practice for Learning Technology - IMS Content Packaging Information Model (CP) Version 1.2 - Mapping to the Conceptual Model for Resource Aggregation (new standard): 11/14/2017

ANSI/IEEE 2030.3-2016, Standard Test Procedures for Electric Energy Storage Equipment and Systems for Electric Power Systems Applications (new standard): 11/14/2017

## NSF (NSF International)

### Revision

\* ANSI/NSF 42-2017 (i90r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016): 11/8/2017

\* ANSI/NSF 350-2017 (i18r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of BSR/NSF 350-201x (i18r1)): 11/8/2017

## UL (Underwriters Laboratories, Inc.)

### New National Adoption

ANSI/UL 61058-1-2017, Standard for Safety for Switches for Appliances - Part 1: General Requirements (national adoption of IEC 61058-1 with modifications and revision of ANSI/UL 61058-1-2013): 11/3/2017

ANSI/UL 61058-1-2017a, Standard for Safety for Switches for Appliances - Part 1: General Requirements (national adoption of IEC 61058-1 with modifications and revision of ANSI/UL 61058-1-2013): 11/3/2017

ANSI/UL 61058-1-1-2017, Standard for Safety for Switches for Appliances - Part 1-1: Requirements for Mechanical Switches (national adoption with modifications of IEC 61058-1-1): 11/3/2017

ANSI/UL 61058-1-2-2017, Standard for Safety for Switches for Appliances - Part 1-2: Requirements for Electronic Switches (national adoption with modifications of IEC 61058-1-2): 11/3/2017

### Revision

ANSI/UL 48-2017, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2014): 11/10/2017

ANSI/UL 48-2017a, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2014): 11/10/2017

\* ANSI/UL 507-2017a, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2016): 11/9/2017

\* ANSI/UL 507-2017b, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2016): 11/9/2017

\* ANSI/UL 507-2017c, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2017): 11/9/2017

\* ANSI/UL 507-2017d, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2017): 11/9/2017

ANSI/UL 924-201b, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2017): 11/8/2017

ANSI/UL 924-2017c, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2017): 11/8/2017

ANSI/UL 1472-2017, Standard for Safety for Solid-State Dimming Controls (revision of ANSI/UL 1472-2015): 11/10/2017

# Project Initiation Notification System (PINS)

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

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

[List of Approved and Proposed ANS](#)

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

## **AAFS (American Academy of Forensic Sciences)**

**Office:** 4200 Wisconsin Ave, NW Suite 106-310  
Washington, DC 20016

**Contact:** *Teresa Ambrosius*

**E-mail:** [tambrosius@aafs.org](mailto:tambrosius@aafs.org)

BSR/ASB Std 056-201x, Standard for Estimation of Measurement Uncertainty in Forensic Toxicology Laboratories (new standard)

Stakeholders: Forensic toxicology laboratories

Project Need: The field of forensic toxicology does not have a single resource available to forensic toxicology laboratories outlining a standard process and expectations for calculating measurement uncertainty. This document will serve as the standard for laboratories when calculating measurement uncertainty and will help ensure a consistent approach across forensic toxicology laboratories that will aid the end users (law enforcement and judicial community) in making decisions while using reported toxicology results.

This document delineates minimum standards for estimating measurement uncertainty in the field of forensic toxicology.

## **ABYC (American Boat and Yacht Council)**

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

**Contact:** *Lynn Lipsey*

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

\* BSR/ABYC E-11-201x, AC & DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2015)

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

Project Need: This standard identifies safety issues with AC & DC electrical systems on boats.

This standard is a guide for the design, construction, and installation of alternating current (AC) electrical systems on boats and of direct current (DC) electrical systems on boats.

\* BSR/ABYC E-30-201x, Electrical Propulsion Systems (revision of ANSI/ABYC E-30-2017)

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

Project Need: This standard identifies safety issues with electrical propulsion systems on boats.

This standard is a guide for the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.

## **AISI (American Iron and Steel Institute)**

**Office:** 25 Massachusetts Avenue, NW  
Suite 800  
Washington, DC 20001

**Contact:** *Helen Chen*

**Fax:** (202) 452-1039

**E-mail:** [hchen@steel.org](mailto:hchen@steel.org)

BSR/AISI S914-201x, Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing (revision of ANSI/AISI S914-2015)

Stakeholders: Cold-Formed Steel industry.

Project Need: This is a test standard used by manufacturers and researchers in cold-formed steel design and analysis.

This Standard provides a method to determine both the strength and deformation behavior of joist connectors used in cold-formed steel light-frame construction.

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

**Office:** 1220 L Street NW  
Washington, DC 20005

**Contact:** *John Bufford*

**Fax:** (202) 682-8344

**E-mail:** [buffordj@api.org](mailto:buffordj@api.org)

BSR/API 19C-201x, Measurement of Properties of Proppants Used in Hydraulic Fracturing and Gravel-Packing Operations (revision and redesignation of ANSI/API RP 19C-ISO 13503-2, 1st Edition-2007)

Stakeholders: Proppant manufacturers, users, and drilling operators.

Project Need: Revise, update, and correct current standard.

Provides standard testing procedures for evaluating proppants used in hydraulic fracturing and gravel packing operations.

**GTESS (Georgia Tech Energy & Sustainability Services)**

**Office:** 75 Fifth Street N.W  
Suite 300  
Atlanta, GA 30308

**Contact:** Moon Kim

**Fax:** (404) 894-8194

**E-mail:** Moon.Kim@gtri.gatech.edu

BSR/MSE/ISO 50001-201x, Energy management systems -  
Requirements with guidance for use (identical national adoption of  
ISO 50001:2018)

Stakeholders: U.S. TAG to ISO/TC 301.

Project Need: This Standard is needed because of the high level of stakeholder interest in information to assist with requirements of energy management systems and is requested from U.S. TAG to ISO/TC 301 for U.S. identical national adoption. This will be a revision to the ANSI/MSE/ISO 50001-2011.

This document specifies requirements for establishing, implementing, maintaining, and improving an energy management system, and its aim is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance.

**TIA (Telecommunications Industry Association)**

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

**Contact:** Teesha Jenkins

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

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

BSR/TIA 604-19-201x, FOCIS 19-Fiber Optic Connector  
Intermateability Standard - Type: CS Connector (new standard)

Stakeholders: Telcom and data communications, fiber optics users and manufacturers.

Project Need: Create new standard.

The project will create a new Fiber Optic Connector Interface Standard (FOCIS) FOCIS-19 standard for a duplexed 2 ceramic ferrule connector to take advantage of increased density needed in data centers and central offices. The commercial name of the connector is the CS connector.

# 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).

## AA (ASC H35)

Aluminum Association  
1400 Crystal Drive  
Suite 430  
Arlington, VA 22202  
Phone: (703) 358-2988  
Fax: (703) 358-2961  
Web: [www.aluminum.org](http://www.aluminum.org)

## AAFS

American Academy of Forensic Sciences  
4200 Wisconsin Ave, NW Suite 106-310  
Washington, DC 20016  
Phone: (719) 453-1036  
Web: [www.aafs.org](http://www.aafs.org)

## AAMI

Association for the Advancement of Medical Instrumentation  
4301 N Fairfax Drive  
Suite 301  
Arlington, VA 22203-1633  
Phone: (703) 253-8274  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

## ABYC

American Boat and Yacht Council  
613 Third Street, Suite 10  
Annapolis, MD 21403  
Phone: (410) 990-4460  
Web: [www.abycinc.org](http://www.abycinc.org)

## ADA (Organization)

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611-2678  
Phone: (312) 587-4129  
Fax: (312) 440-2529  
Web: [www.ada.org](http://www.ada.org)

## AISI

American Iron and Steel Institute  
25 Massachusetts Avenue, NW  
Suite 800  
Washington, DC 20001  
Phone: (202) 452-7100  
Fax: (202) 452-1039  
Web: [www.steel.org](http://www.steel.org)

## ANS

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60526  
Phone: (708) 579-8268  
Fax: (708) 579-8248  
Web: [www.ans.org](http://www.ans.org)

## API

American Petroleum Institute  
1220 L Street NW  
Washington, DC 20005  
Phone: (202) 682-8344  
Fax: (202) 682-8344  
Web: [www.api.org](http://www.api.org)

## ASA (ASC S3)

Acoustical Society of America  
1305 Walt Whitman Road Suite 300  
Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 923-2875  
Web: [www.acousticalsociety.org](http://www.acousticalsociety.org)

## ASME

American Society of Mechanical Engineers  
Two Park Avenue  
New York, NY 10016  
Phone: (212) 591-8521  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

## ASSE (ASC A10)

American Society of Safety Engineers  
520 N. Northwest Hwy.  
Park Ridge, IL 60068  
Phone: (847) 768-3475  
Fax: (847) 768-3475  
Web: [www.asse.org](http://www.asse.org)

## ASTM

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959  
Phone: (610) 832-9744  
Fax: (610) 834-3683  
Web: [www.astm.org](http://www.astm.org)

## AWS

American Welding Society  
8669 NW 36th Street  
Suite 130  
Doral, FL 33166  
Phone: (305) 443-9353  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

## BICSI

Building Industry Consulting Service International  
8610 Hidden River Parkway  
Tampa, FL 33637  
Phone: (813) 903-4712  
Fax: (813) 971-4311  
Web: [www.bicsi.org](http://www.bicsi.org)

## GTESS

Georgia Tech Energy & Sustainability Services  
75 Fifth Street N.W  
Suite 300  
Atlanta, GA 30308  
Phone: (404) 407-6404  
Fax: (404) 894-8194  
Web: [www.innovate.gatech.edu](http://www.innovate.gatech.edu)

## IEEE

Institute of Electrical and Electronics Engineers (IEEE)  
445 Hoes Lane  
Piscataway, NJ 08854  
Phone: (732) 562-3854  
Fax: (732) 796-6966  
Web: [www.ieee.org](http://www.ieee.org)

## IEEE (ASC C63)

Institute of Electrical and Electronics Engineers  
445 Hoes Lane  
Piscataway, NJ 08854  
Phone: (732) 562-3874  
Web: [standards.ieee.org](http://standards.ieee.org)

## ITI (INCITS)

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: [www.incits.org](http://www.incits.org)

## NEMA (ASC C137)

National Electrical Manufacturers Association  
1300 North 17th Street, Suite 900  
Rosslyn, VA 22209  
Phone: (703) 841-3277  
Web: [www.nema.org](http://www.nema.org)

## NSF

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105-9723  
Phone: (734) 418-6660  
Web: [www.nsf.org](http://www.nsf.org)

## TAPPI

Technical Association of the Pulp and Paper Industry  
15 Technology Parkway South  
Peachtree Corners, GA 30092  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

## TIA

Telecommunications Industry Association  
1320 North Courthouse Road  
Suite 200  
Arlington, VA 22201  
Phone: (703) 907-7706  
Fax: (703) 907-7727  
Web: [www.tiaonline.org](http://www.tiaonline.org)

## UL

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096  
Phone: (847) 664-2850  
Fax: (847) 664-2850  
Web: [www.ul.com](http://www.ul.com)



# ISO & IEC Draft International Standards

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

## Comments

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

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

## Ordering Instructions

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

## ISO Standards

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

ISO/DIS 21153, Corrosion of metals and alloys - Measurement of environmentally assisted small crack growth rate - 12/1/2017, \$58.00

### DENTISTRY (TC 106)

ISO 3964/DAmD1, Dentistry - Coupling dimensions for handpiece connectors - Amendment 1: Interface dimensions - 1/25/2018, \$29.00

### FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 22146, Carbonate liming materials - Determination of reactivity - Automatic titration method with citric acid - 11/30/2017, \$62.00

### FINE BUBBLE TECHNOLOGY (TC 281)

ISO/DIS 21255, Fine bubble technology - Storage and transportation of ultrafine bubble dispersion in water - 1/26/2018, \$40.00

### FLUID POWER SYSTEMS (TC 131)

ISO/DIS 14743, Pneumatic fluid power - Push-in connectors for thermoplastic tubes - 12/1/2017, \$98.00

### GAS CYLINDERS (TC 58)

ISO/DIS 14245, Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing - 1/25/2018, \$82.00

### INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 22915-4, Industrial trucks - Verification of stability - Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height - 1/25/2018, \$53.00

ISO/DIS 22915-21, Industrial trucks - Verification of stability - Part 21: Order-picking trucks with operator position elevating above 1 200 mm - 1/29/2018, \$46.00

### LEARNING SERVICES FOR NON-FORMAL EDUCATION AND TRAINING (TC 232)

ISO/DIS 29992, Assessment of outcomes of learning services - Guidance - 1/27/2018, \$67.00

### MACHINE TOOLS (TC 39)

ISO/DIS 2772, Test conditions for box type vertical drilling machines - Testing of the accuracy - Geometrical tests - 1/27/2018, \$46.00

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

ISO/DIS 19901-7, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units - 11/30/2017, \$194.00

### NUCLEAR ENERGY (TC 85)

ISO/DIS 8299, Nuclear fuel technology - Determination of the isotopic and elemental uranium and plutonium concentrations of nuclear materials in nitric acid solutions by thermal-ionization mass spectrometry - 1/22/2018, \$93.00

### PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 21420, Protective gloves - General requirements and test method. - 1/25/2018, \$77.00

ISO/DIS 23388, Protective gloves against mechanical risks - 1/25/2018, \$88.00

### ROAD VEHICLES (TC 22)

ISO/DIS 19642-1, Road vehicles - Automotive cables - Part 1: Terminology and design guidelines - 11/30/2017, \$62.00

ISO/DIS 19642-2, Road vehicles - Automotive cables - Part 2: Test methods - 11/30/2017, \$119.00

ISO/DIS 19642-3, Road vehicles - Automotive cables - Part 3: Dimensions and requirements for 30 V a.c. or 60 V d.c. single core copper conductor cables - 11/30/2017, \$62.00

ISO/DIS 19642-4, Road vehicles - Automotive cables - Part 4: Dimensions and requirements for 30 V a.c. and 60 V d.c. single core aluminium conductor cables - 11/30/2017, \$62.00

ISO/DIS 19642-5, Road vehicles - Automotive cables - Part 5: Dimensions and requirements for 600 V a.c. or 900 V d.c., 1000 V a.c. or 1500 V d.c. single core copper conductor cables - 11/30/2017, \$53.00

ISO/DIS 19642-6, Road vehicles - Automotive cables - Part 6: Dimensions and requirements for 600 V a.c. or 900 V d.c., 1000 V a.c. or 1500 V d.c. single core aluminium conductor cables - 11/30/2017, \$58.00

- ISO/DIS 19642-7, Road vehicles - Automotive cables - Part 7: Dimensions and requirements for 30 V a.c. or 60 V d.c. round, sheathed, screened and unscreened multi and single core copper conductor cables - 11/30/2017, \$53.00
- ISO/DIS 19642-8, Road vehicles - Automotive cables - Part 8: Dimensions and requirements for 30 V a.c. or 60 V d.c. round, sheathed, screened and unscreened multi and single core aluminium conductor cables - 11/30/2017, \$53.00
- ISO/DIS 19642-9, Road vehicles - Automotive cables - Part 9: Dimensions and requirements for 600 V a.c. or 900 V d.c., 1000 V a.c. or 1500 V d.c. round, sheathed, screened and unscreened multi and single core copper conductor cables - 11/30/2017, \$53.00
- ISO/DIS 19642-10, Road vehicles - Automotive cables - Part 10: Dimensions and requirements for 600 V a.c. or 900 V d.c., 1000 V a.c. or 1500 V d.c. round, sheathed, screened and unscreened multi and single core aluminium conductor cables - 11/30/2017, \$53.00

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

- ISO/DIS 5355, Alpine ski-boots - Requirements and test methods - 1/25/2018, \$93.00
- ISO/DIS 9523, Touring ski-boots for adults - Interface with touring ski-bindings - Requirements and test methods - 11/8/2021, \$77.00
- ISO/DIS 9838, Alpine and touring ski-bindings - Test soles for ski-binding tests - 1/25/2018, \$46.00

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

- ISO/DIS 21143, Technical product documentation (TPD) - Requirements of digital mock-up virtual assembly test for mechanical products - 1/29/2018, \$67.00
- ISO/DIS 21600, Technical product documentation (TPD) - General requirements of mechanical product digital manual - 12/4/2017, \$82.00

#### TEXTILES (TC 38)

- ISO/DIS 21046, Silk - Test method for size of silk yarns - 11/30/2017, \$71.00
- ISO/DIS 21326, Textiles - Testing methods for efficiency against house dust mite - 1/25/2018, \$102.00

### ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 24787, Information technology - Identification cards - On-card biometric comparison - 1/25/2018, \$93.00
- ISO/IEC DIS 24773-1, Software and systems engineering - Certification of software and systems engineering professionals - Part 1: General requirements - 1/25/2018, \$62.00

## IEC Standards

- 2/1880/FDIS, IEC 60034-27-4 ED1: Rotating electrical machines - Part 27-4: Measurement of insulation resistance and polarization index on winding insulation of rotating electrical machines, /2017/12/2
- 8B/12/NP, PNW TS 8B-12: IEC/TS 62898-3-2 Microgrids - Technical requirements - Energy Management Systems, 018/2/2/
- 8B/10/NP, PNW 8B-10: Virtual Power Plants- Part 1: Architecture and Functional Requirements, 018/2/2/
- 8B/11/NP, PNW TS 8B-11: Virtual Power Plants - Part 2: Use Cases, 018/2/2/
- 9/2330/CD, IEC 63076 ED1: Railway applications - Rolling stock - Electric equipment in trolley buses - Safety requirements and current collection systems, 018/2/2/
- 10/1030/CDV, IEC 62961 ED1: Insulating liquids - Test methods for the determination of interfacial tension of insulating liquids - Determination with the ring method, 018/2/2/

- 15/817/CD, IEC 60893-2 ED3: Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 2: Methods of test, 018/2/2/
- 21/947/CD, IEC 62485-5 ED1: Safety requirements for secondary batteries and battery installations - Part 5: Lithium-ion batteries for stationary applications, 018/1/5/
- 21/948/CD, IEC 62485-6 ED1: Safety requirements for secondary batteries and battery installations - Part 6: Lithium-ion batteries for traction applications, 018/1/5/
- 32A/328/CD, IEC 60644/AMD1 ED2: Specification for high-voltage fuse-links for motor circuit applications, 018/2/2/
- 47/2438/FDIS, IEC 60749-26 ED4: Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM), /2017/12/2
- 55/1633/CD, IEC 60317-2 ED5: Specifications for particular types of winding wires - Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer, 018/2/2/
- 55/1632/CD, IEC 60317-80 ED1: Specifications for particular types of winding wires - Part 80: Polyvinyl acetal enamelled rectangular copper wire, class 120, with a bonding layer, 018/2/2/
- 56/1761/CD, IEC 61123 ED2: Reliability testing - Compliance test plans for success ratio, 018/2/2/
- 57/1922/CDV, IEC 61850-4/AMD1 ED2: Amendment 1 - Communication networks and systems for power utility automation - Part 4: System and project management, 018/2/2/
- 57/1921/CDV, IEC 61968-4 ED2: Application integration at electric utilities - System interfaces for distribution management - Part 4: Interfaces for records and asset management, 018/2/2/
- 61J/680/Q, Proposed revision of IEC 62784: Vacuum cleaners and dust extractors providing equipment protection level dc for the collection of combustible dusts - Particular requirements, /2017/12/2
- 62D/1545/FDIS, ISO 80601-2-61 ED2: Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment, /2017/12/2
- 62D/1546/FDIS, ISO 80601-2-55 ED2: Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors, /2017/12/2
- 65A/854A/NP, PNW TS 65A-854: Requirements for object-oriented software in safety-related systems, 2017/12/1
- 69/541/CD, IEC 63119-1 ED1: Information exchange for Electric Vehicle charging roaming service - Part 1:General, 018/2/2/
- 69/538/FDIS, ISO 15118-8 ED1: Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication, 018/1/5/
- 77A/980/CDV, IEC 61000-2-2 Ed2 A2: Electromagnetic compatibility (EMC) - Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems, 018/2/2/
- 86A/1834/NP, PNW 86A-1834: Optical Fibre Cables - Part 1-215: Generic specification - Basic optical cable test procedures- Environmental test methods -Cable external freezing test, Method F15, 018/2/2/
- 86A/1835/NP, PNW 86A-1835: Optical Fibre Cables - Part 6: Indoor-Outdoor cables - Sectional specification for Indoor-Outdoor cables, 018/2/2/
- 86A/1838/NP, PNW 86A-1838: Optical Fibre Cables - Part 6-30: Indoor-Outdoor cables - Family specification for Weatherized Indoor cables, 018/2/2/
- 86A/1837/NP, PNW 86A-1837: Optical Fibre Cables - Part 6-20: Indoor-Outdoor cables - Family specification for Flame Retardant Outdoor cables, 018/2/2/
- 86A/1836/NP, PNW 86A-1836: Optical Fibre Cables - Part 6-10: Indoor-Outdoor cables - Family specification for a Universal Indoor-Outdoor cable, 018/2/2/



- 86B/4108/NP, PNW 86B-4108: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector series for harsh environments, 018/2/2/
- 97/185/CD, IEC 61820-2 ED1: Electrical installations for aeronautical ground lighting at aerodromes - Part 2: Requirements for series circuits, 018/1/5/
- 105/663/CDV, IEC 62282-3-100 ED2: Fuel cell technologies - Part 3 -100: Stationary fuel cell power systems - Safety, 018/2/2/
- 106/422/DTR, IEC TR 63167 ED1: Assessment of contact current related to human exposure to electric, magnetic and electromagnetic fields, 018/1/5/
- 107/317/DC, Draft IEC Technical Report for comments: IEC TR 62240 -2 ED1, Process management for avionics - Electronic components capability in operation - Part 2: Semiconductor microcircuit lifetime, 018/1/5/



# 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

### BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO 20038:2017](#), Banking and related financial services - Key wrap using AES, \$138.00

### BUILDING CONSTRUCTION (TC 59)

[ISO 6707-1:2017](#), Buildings and civil engineering works - Vocabulary - Part 1: General terms, \$232.00

[ISO 6707-2:2017](#), Buildings and civil engineering works - Vocabulary - Part 2: Contract and communication terms, \$185.00

### ERGONOMICS (TC 159)

[ISO 9241-940:2017](#), Ergonomics of human-system interaction - Part 940: Evaluation of tactile and haptic interactions, \$232.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19160-4:2017](#), Addressing - Part 4: International postal address components and template language, \$209.00

### GRAPHICAL SYMBOLS (TC 145)

[ISO 16069:2017](#), Graphical symbols - Safety signs - Safety way guidance systems (SWGS), \$185.00

### INFORMATION AND DOCUMENTATION (TC 46)

[ISO 20614:2017](#), Information and documentation - Data exchange protocol for interoperability and preservation, \$185.00

### MACHINE TOOLS (TC 39)

[ISO 14955-1:2017](#), Machine tools - Environmental evaluation of machine tools - Part 1: Design methodology for energy-efficient machine tools, \$185.00

### PACKAGING (TC 122)

[ISO 15394:2017](#), Packaging - Bar code and two-dimensional symbols for shipping, transport and receiving labels, \$209.00

### PAINTS AND VARNISHES (TC 35)

[ISO 2812-1:2017](#), Paints and varnishes - Determination of resistance to liquids - Part 1: Immersion in liquids other than water, \$68.00

[ISO 2812-4:2017](#), Paints and varnishes - Determination of resistance to liquids - Part 4: Spotting methods, \$68.00

[ISO 11126-10:2017](#), Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 10: Almandite garnet, \$45.00

### PLASTICS (TC 61)

[ISO 294-5:2017](#), Plastics - Injection moulding of test specimens of thermoplastic materials - Part 5: Preparation of standard specimens for investigating anisotropy, \$68.00

### ROLLING BEARINGS (TC 4)

[ISO 76/Amd1:2017](#), Rolling bearings - Static load ratings - Amendment 1, \$19.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 37:2017](#), Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties, \$162.00

### SAFETY OF MACHINERY (TC 199)

[ISO 13854:2017](#), Safety of machinery - Minimum gaps to avoid crushing of parts of the human body, \$45.00

### SOLID MINERAL FUELS (TC 27)

[ISO 11726:2017](#), Solid mineral fuels - Guidelines for the validation of alternative methods of analysis, \$138.00

### TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 16410-1:2017](#), Electronic fee collection - Evaluation of equipment for conformity to ISO 17575-3 - Part 1: Test suite structure and test purposes, \$232.00

### TYRES, RIMS AND VALVES (TC 31)

[ISO 4250-1:2017](#), Earth-mover tyres and rims - Part 1: Tyre designation and dimensions, \$138.00

## ISO Technical Specifications

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

[ISO/TS 17969:2017](#), Petroleum, petrochemical and natural gas industries - Guidelines on competency management for well operations personnel, \$162.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 18033-2/Amd1:2017](#), Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers - Amendment 1: FACE, \$19.00

[ISO/IEC 23008-5/Amd1:2017](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 1: Reference software for screen content coding extensions, \$19.00

[ISO/IEC 19513:2017](#), Information technology - Object Management Group Unified Profile for DoDAF and MODAF (UPDM), 2.1.1, \$232.00

[ISO/IEC/IEEE 8802-1Q/Cor1:2017](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1Q: Bridges and bridged networks - Corrigendum, FREE

[ISO/IEC/IEEE 8802-3/Amd1:2017](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Standard for Ethernet - Amendment 1: Physical layer specifications and management parameters for 100 Mb/s operation over a single balanced twisted pair cable (100BASE-T1), \$209.00

[ISO/IEC/IEEE 8802-15-3:2017](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 15-3: High data rate wireless multi-media networks, \$232.00

[ISO/IEC/IEEE 8802-15-6:2017](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 15-6: Wireless body area network, \$232.00

## IEC Standards

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

[IEC 62919 Ed. 1.0 en:2017](#), Content management - Monitoring and management of personal digital content, \$164.00

[IEC 62702-1-2 Ed. 1.0 en:2017](#), Audio archive system - Part 1-2: BD disk and data migration for long-term audio data storage, \$117.00

### DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

[IEC 60445 Ed. 6.0 b cor.1:2017](#), Corrigendum 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors, \$0.00

### ELECTROACOUSTICS (TC 29)

[IEC 60118-4 Amd.1 Ed. 3.0 b:2017](#), Amendment 1 - Electroacoustics - Hearing aids - Part 4: Induction-loop systems for hearing aid purposes - System performance requirements, \$47.00

[IEC 60118-4 Ed. 3.1 b:2017](#), Electroacoustics - Hearing aids - Part 4: Induction-loop systems for hearing aid purposes - System performance requirements, \$469.00

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

[IEC 60068-2-52 Ed. 3.0 en:2017](#), Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution), \$82.00

[S+ IEC 60068-2-52 Ed. 3.0 en:2017 \(Redline version\)](#), Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution), \$107.00

### FIBRE OPTICS (TC 86)

[IEC 62148-1 Ed. 2.0 b:2017](#), Fibre optic active components and devices - Package and interface standards - Part 1: General and guidance, \$47.00

[IEC 60793-1-45 Ed. 2.0 b:2017](#), Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter, \$199.00

[IEC 60794-3-21 Ed. 2.0 b:2015](#), Optical fibre cables - Part 3-21: Outdoor cables - Product specification for optical self-supporting aerial telecommunication cables for use in premises cabling, \$23.00

[IEC 61753-041-2 Ed. 1.0 b:2014](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 041-2: Non-connectorized single-mode OTDR reflecting device for category C - Controlled environment, \$117.00

[S+ IEC 60793-1-45 Ed. 2.0 en:2017 \(Redline version\)](#), Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter, \$259.00

### FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 62341-6-3 Ed. 2.0 en:2017](#), Organic light emitting diode (OLED) displays - Part 6-3: Measuring methods of image quality, \$281.00

### INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC 62828-1 Ed. 1.0 b:2017](#), Reference conditions and procedures for testing industrial and process measurement transmitters - Part 1: General procedures for all types of transmitters, \$352.00

[IEC 62828-2 Ed. 1.0 b:2017](#), Reference conditions and procedures for testing industrial and process measurement transmitters - Part 2: Specific procedures for pressure transmitters, \$164.00

[IEC/PAS 63131 Ed. 1.0 en:2017](#), System control diagram, \$410.00

### LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60809 Ed. 3.2 b:2017](#), Lamps for road vehicles - Dimensional, electrical and luminous requirements, \$528.00

[IEC 60809 Amd.2 Ed. 3.0 b:2017](#), Amendment 2 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, \$23.00

### MEASURING EQUIPMENT FOR ELECTROMAGNETIC QUANTITIES (TC 85)

[IEC 62586-2 Ed. 2.0 b:2017](#), Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements, \$387.00

### OTHER

[CISPR 16-1-2 Amd.1 Ed. 2.0 b:2017](#), Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted disturbance measurements, \$47.00

[CISPR 16-1-2 Ed. 2.1 b:2017](#), Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted disturbance measurements, \$528.00

### POWER TRANSFORMERS (TC 14)

[IEC/IEEE 60076-57-129 Ed. 1.0 en:2017](#), Power transformers - Part 57-129: Transformers for HVDC applications, \$317.00

### WINDING WIRES (TC 55)

[IEC 60317-31 Ed. 2.0 b:2015](#), Specifications for particular types of winding wires - Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180, \$47.00

[IEC 60317-32 Ed. 2.0 b:2015](#), Specifications for particular types of winding wires - Part 32: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155, \$47.00

## IEC Technical Specifications

### ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC/TS 60079-43 Ed. 1.0 en:2017](#), Explosive atmospheres - Part 43: Equipment in adverse service conditions, \$117.00

# 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 Reaccreditation

#### Academy Standards Board (a subsidiary of the American Academy of Forensic Sciences)

ANSI's Executive Standards Council has approved the reaccreditation of the Academy Standards Board (a subsidiary of the American Academy of Forensic Sciences), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ASB-sponsored American National Standards, effective November 15. For additional information, please contact: Ms. Teresa Ambrosius, Technical Coordinator, Academy Standards Board, 4200 Wisconsin Avenue, Suite 106-310, Washington, DC 20016; phone: 719.453.1035; e-mail: [TAmbrosius@aafs.org](mailto:TAmbrosius@aafs.org).

### Reaccreditation

#### ASME – The American Society of Mechanical Engineers

##### Comment Deadline: December 18, 2017

ASME – The American Society of Mechanical Engineers, an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ASME-sponsored American National Standards, under which it was last reaccredited in 2016. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. William Berger, Managing Director, Standards, ASME, Two Park Avenue, 6th Floor, New York, NY 10016-5990; phone: 212.591.8501; e-mail: [BergerW@asme.org](mailto:BergerW@asme.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 ASME by December 18, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office ([jthomps@ANSI.org](mailto:jthomps@ANSI.org)).

# International Organization for Standardization (ISO)

## ISO New Work Item Proposal

### Water efficient products – Banding

#### Comment Deadline: December 8, 2017

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

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

The scope of the ISO standard will cover the following:

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

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

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

## U.S. New Work Item Proposal

### Specifications for the Process of Remanufacturing

#### Comment Deadline: December 22, 2017

ANSI has received a request from The Remanufacturing Industries Council (RIC), an ANSI member and ANSI-accredited SDO, to submit to ISO a new work item proposal for the development of an ISO standard on the subject of Specifications for the Process of Remanufacturing, with the following scope statement:

This standard defines and provides a benchmark for the process of global remanufacturing, and establishes specifications that characterize the remanufacturing process and differentiate remanufacturing from other practices.

Please note that in 2013 and in 2016, SAC (China) submitted proposals for a new ISO technical committee on remanufacturing technology which were both rejected by the ISO members, including ANSI. In the case of the SAC proposals, they focused on remanufacturing of specific technologies or products, whereas this draft ANSI proposal focuses on the remanufacturing process, which is regarded as more acceptable to RIC and its stakeholders.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 22, 2017.

# Information Concerning ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

## Reaccreditation

## Advanced Waste Management Systems, Inc.

## Comment Deadline: December 18, 2017

In accordance with the following ISO standards:

ISO 14065:2013, *Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

### **Advanced Waste Management Systems, Inc.**

Robert Ellis

6430 Hixson Pike

Hixson, TN 37343

Phone: 423-843-2206

E-mail: [robellis@awm.net](mailto:robellis@awm.net)

On November 13, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted Advanced Waste Management Systems, Inc. reaccreditation for the following:

### Activity and Scope:

*Verification of assertions related to GHG emissions and removals at the organizational level:*

*01. General*

*02. Manufacturing*

*03. Power Generation*

*04. Electric Power Transactions*

*05. Mining and Mineral Production*

*06. Metals Production*

*07. Chemical Production*

*08. Oil and gas extraction, production and refining including petrochemicals*

*09. Waste*

Please send your comments by December 18, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [ahoward@ansi.org](mailto:ahoward@ansi.org).

# Information Concerning ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

## Reaccreditation

### First Environment, Inc.

### Comment Deadline: December 18, 2017

In accordance with the following ISO standards:

ISO 14065:2013, *Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

**First Environment, Inc.**

Michael Carim

91 Fulton Street

Boonton, NJ 07005

Phone: 626-529-3089

E-mail: [mic@firstenvironment.com](mailto:mic@firstenvironment.com)

On November 13, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted First Environment, Inc. reaccreditation for the following:

Activity and Scope:

*Verification of assertions related to GHG emissions and removals at the organizational level:*

01. General
02. Manufacturing
03. Power Generation
04. Electric Power Transactions
05. Mining and Mineral Production
06. Metals Production
07. Chemical Production
08. Oil and gas extraction, production and refining including petrochemicals
09. Waste

*Validation of assertions related to GHG emission reductions & removals at the project level:*

01. GHG emission reductions from fuel combustion
02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
05. Livestock
06. Waste Handling and Disposal



*Verification of assertions related to GHG emission reductions & removals at the project level:*

- 01. GHG emission reductions from fuel combustion*
- 02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)*
- 03. Land Use and Forestry*
- 05. Livestock*
- 06. Waste Handling and Disposal*

Please send your comments by December 18, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [ahoward@ansi.org](mailto:ahoward@ansi.org).

# Information Concerning ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

## Reaccreditation

## GHD Limited

## Comment Deadline: December 18, 2017

In accordance with the following ISO standards:

ISO 14065:2013, *Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

### **GHD Limited**

Gordon Reusing

651 Colby Drive

Waterloo, ON N2V 1C2 , Canada

Phone: 519-884-0510

E-mail: [Gordon.Reusing@ghd.com](mailto:Gordon.Reusing@ghd.com)

On November 13, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted GHD Limited reaccreditation for the following:

### Activity and Scope:

*Verification of assertions related to GHG emissions and removals at the organizational level:*

01. General
02. Manufacturing
03. Power Generation
04. Electric Power Transactions
05. Mining and Mineral Production
06. Metals Production
07. Chemical Production
08. Oil and gas extraction, production and refining including petrochemicals
09. Waste
10. Agriculture, Forestry, and Other Land Use (AFOLU)

*Validation of assertions related to GHG emission reductions & removals at the project level*

01. GHG emission reductions from fuel combustion
02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
05. Livestock
06. Waste Handling and Disposal

*Verification of assertions related to GHG emission reductions & removals at the project level*

- 01. GHG emission reductions from fuel combustion*
- 02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)*
- 03. Land Use and Forestry*
- 05. Livestock*
- 06. Waste Handling and Disposal*

Please send your comments by December 18, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [ahoward@ansi.org](mailto:ahoward@ansi.org).

# Information Concerning ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

## Reaccreditation

## PricewaterhouseCoopers LLP

## Comment Deadline: December 18, 2017

In accordance with the following ISO standards:

ISO 14065:2013, *Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

### **PricewaterhouseCoopers LLP**

Ted Bell

250 Howe Street, Suite 1400

Vancouver, BC V6C 3S7, Canada

Phone: 604-806-7705

E-mail: [ted.bell@ca.pwc.com](mailto:ted.bell@ca.pwc.com)

On November 13, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted PricewaterhouseCoopers LLP reaccreditation for the following:

### Activity and Scope:

*Verification of assertions related to GHG emissions and removals at the organizational level:*

- 01. General*
- 02. Manufacturing*
- 03. Power Generation*
- 05. Mining and Mineral Production*
- 06. Metals Production*
- 08. Oil and gas extraction, production and refining including petrochemicals*

*Verification of assertions related to GHG emission reductions and removals at the project level:*

- 01. GHG emission reductions from fuel combustion*
- 02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)*

Please send your comments by December 18, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [ahoward@ansi.org](mailto:ahoward@ansi.org).

# Information Concerning Call for Members (USNC)

## USNC Needs Members to Join Various US and IEC Groups

These groups are as follows:

### 1. US Participants IEC Systems Evaluation Group 8 – *Communication Technologies and Architectures of Electrotechnical Systems*

#### Scope:

- Develop and execute a process for including communication system aspects (such as interfaces, data models and behaviours) into existing and new IEC deliverables.
- Monitor new or emerging communication technologies and architectures that are specified or standardized outside the IEC (e.g. 5G, Low Power Wide Area Networking, Deterministic Networking).
- Monitor new market trends related to communication technologies and assess their impact on IEC activities (e.g. IT/OT convergence).
- Evaluate the impact of these technologies, architectures and trends on current and foreseen IEC work, in particular on systems related activities, and engage with the concerned IEC committees by raising awareness and making technical recommendations.
- Identify key standardization stakeholders external to the IEC and define appropriate engagement models, where required, to ensure IEC requirements are being addressed.
- Act as liaison to ITU-R for all spectrum management related issues.
- Evaluate gaps in standardization of communication technologies based on requirements provided by selected IEC use cases, and take appropriate actions within the IEC or through collaboration with external bodies.
- Review the current status of relevant TC/SC work in the IEC to identify any duplication of work or potential inconsistencies.
- Define a structure for the coordination of cross TC/SC work in the IEC and with external bodies, where required.

*Individuals interested in participating on SEG 8, should contact the Secretary, Gilles Thonet, at [gth@iec.ch](mailto:gth@iec.ch).*

## 2. IEC Systems Committee – LVDC (SyC LVDC)

### **Scope:**

Standardization in the field of Low Voltage Direct Current (hereinafter referred to as LVDC) in order to provide systems level standardization, coordination and guidance in the areas of LVDC and LVDC for Electricity Access.

To widely consult within the IEC community and the broader stakeholder community to provide overall systems level value, support and guidance to the TCs and other standards development groups, both inside and outside the IEC.

To bring urgency to development of standards for Electricity Access enabling inclusive development of all communities.

*Individuals interested in participating on the US TAG SyC LVDC, and ultimately the IEC Systems Committee, should contact the TAG Secretary, Ken Gettman, at [ken\\_gettman@nema.org](mailto:ken_gettman@nema.org).*

## 3. US Participants on IEC Strategic Group 12 – Digital Transformation

### **Scope:**

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

*Individuals interested in participating on SG 12, should contact the Convener, Tony Zertuche, at [tzertuche@ansi.org](mailto:tzertuche@ansi.org).*

## 4. US Representatives to Working Group 2 (WG 2) and Working Group 3 (WG 3) of Systems Committee – Smart Energy

### **SyC Scope:**

Standardization in the field of Smart Energy in order to provide systems level standardization, coordination, and guidance in the areas of Smart Grid and Smart Energy, including interaction in the areas of Heat and Gas. To widely consult within the IEC community and the broader stakeholder community to provide overall systems level value, support and guidance to the TCs and other standard development groups, both inside and outside the IEC. To liaise and cooperate with the SEG Smart Cities and future SEGs, as well as the future Systems Resource Group.

**WG 2: IEC Smart Energy Development Plan**

“One concrete approach consists of collectively elaborating on a master development plan to visualize new ideas under consideration by the TCs/SCs consistently with the ongoing program of work, much earlier than when they are officially circulated and visible.”

- (a) To visualize (Gantt chart) a plan of the smart energy standards for the industry
  - From information provided by AG1
  - From the top down process operated in SyC Smart Energy (WG3)
- (b) To establish, and maintain a dashboard of actions to resolve Situations (milestones, timeline, dependencies) and monitor actions.
- (c) To present identified Situations by other SyC WGs (explanation, proposals to resolve the situation). To propose optimal paths to address the situations for discussion and choice by the TCs (AG1); Capture the choice. If there are several TCs involved work with an appointed Led (by AG1) to resolve the situation.
- (d) Emphasize priorities from an industry system viewpoint

NB: Development plan = Gantt chart + dashboard + trace of the process

**WG 3: IEC Smart Energy Roadmap**

- (a) Map the main Use Cases over the relevant systems architectures. This includes:
- (b) Provide guidelines in offering standard users ways to select a most appropriate set of standards/specifications (either existing or coming, from IEC but possibly coming from other bodies) fulfilling the set of Use Cases. This includes the breakdown of Smart Energy scope into typical systems and system architectures.
- (c) Identify and rank possible standard gaps/overlaps/recommendations
- (d) Feed the IEC Smart Energy mapping tool with the above findings.

Publish and update on a recurrent basis (or event triggered) a snapshot of the entire SyC activities [period, parts to be defined]. [Each group will provide a contribution to be plugged somewhere].

*If you are interested in participating on the US TAG SyC Smart Energy, and ultimately a Working Group, please contact the TAG Secretary, Brian Marchionini at [Brian.Marchionini@nema.org](mailto:Brian.Marchionini@nema.org).*

# Information Concerning

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

### ISO/TC 215 – *Health informatics*

### Reply Deadline: December 15, 2017

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 215 – Health informatics. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 215 to the American Health Information Management Association (AHIMA). AHIMA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 215 operates under the following scope:

*Standardization in the field of health informatics, to facilitate the coherent and consistent capture, interchange and use of health-related data, information, and knowledge to support and enable all aspects of the health system.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 215. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 215 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by Friday, December 15, 2017, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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



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[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard  
for Food Equipment —

Commercial powered  
food preparation equipment

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5 Design and construction

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5.1.3 Food zones shall be readily accessible and easily cleanable or shall be designed and manufactured for in-place cleaning when a readily accessible design is not feasible.

*Rationale: The phrase ‘and manufactured’ added to be consistent with language used in other and boilerplate standards.*

**NOTE 5.1.3.1** In heavy duty or high speed equipment that requires close tolerances on assembled parts and secure fastening for safety or continuing function, simple tools may be used for disassembly. In such instances, parts of the equipment requiring cleaning shall be accessible and cleanable.

*Rationale: At some point between the publication dates of Standard 8 in 1992 and 2000, this section was changed from a numbered sub-section (normative language) to a note (informative language). Recent research has indicated that the intent of this section is to permit an exception to 5.1.3 under limited and specific conditions.*

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## NSF/ANSI 14-2016b - Plastics piping system components and related materials

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### 5.7 Chlorine resistance – dependent transfer listing requirements

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### 5.8 Chlorine resistance – equivalency for Polyethylene compound modifications

In order to qualify a modification to a compound that already has a chlorine resistance classification, the following minimum requirements shall be met using either method A or Method B.

#### 5.8.1 Method A (4" DR 11 Testing):

- a) Test the modified compound per ASTM D3350-14 Section 10.1.11 with an exception in the number of specimens. A minimum of 3 specimens shall be tested.
- b) Specimens shall be tested to failure or until the log average (geometric mean) test time meets the minimum test time requirement in ASTM D3350-14 Table 2 for the original compound's Oxidative Resistance Classification.
- c) The modified compound shall be considered equal to the original compound if its Oxidative Resistance Classification meets or exceeds that of the original compound.

#### 5.8.1 Method B (½" DR 9 Testing)

- a) Test 6 specimens of the original compound per ASTM D3350-14 Section 10.1.11 with an exception in the pipe size. Test specimens shall be ½" DR 9 pipe.
- b) Test 6 specimens of the modified compound per ASTM D3350-14 Section 10.1.11 with an exception in the pipe size. Test specimens shall be ½" DR 9 pipe.
- c) Testing shall be performed at 90°C and at a test stress of 360, 400, or 450 psi as per ASTM D3350-14 Table 2.
- d) Specimens of the original compound shall be tested to failure.
- e) Specimens of the modified compound shall be tested to failure or until the log average (geometric mean) test time is above that of the original compound.

#### 1. Analysis:

- a. Failures shall be oxidatively induced Stage II failures.
- b. Calculate the log average failure time for the original compound ( $t_{orig}$ ) and of the new compound ( $t_{new}$ ).
- c. Calculate the % difference in the log average failure time of the new compound relative

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to the original compound based on the following equation:

$$\% \text{ difference in failure time} = (ft_{\text{new}} / ft_{\text{orig}}) \times 100\%$$

d. The modified compound shall be considered equal to the original compound if:

% difference in failure time  $\geq$  87%

NOTE — Testing of the original compound (½" DR 9 pipe) is only required to be performed once. All modified compounds shall be compared to this original data set.

## 5.89 Fittings and valves

Fittings and valves made from copper alloys containing more than 15% zinc by weight shall be resistant to dezincification and stress corrosion cracking (SCC) and meet the following requirements:

### 5.89.1 Dezincification resistance

#### 5.89.1.1 Sampling

Three test specimens selected at random shall be conditioned to standard laboratory conditions of  $73 \pm 3.6$  °F ( $23 \pm 2$  °C) prior to testing.

#### 5.89.1.2 Testing

Test specimens shall be tested according to ISO 6509 "Corrosion of metal and alloys – Determination of dezincification resistance of brass".

#### 5.89.1.3 Requirements

The maximum depth of dezincification shall not exceed 200  $\mu\text{m}$ . Failure of one of the three specimens tested is cause for retest of three additional specimens. Failure of one specimen in the retest shall constitute failure in the test.

### 5.89.2 Stress corrosion resistance

#### 5.89.2.1 Sampling

Three test specimens selected at random shall be conditioned to standard laboratory conditions prior to testing.

#### 5.89.2.2 Testing

Test specimens shall be tested according to ASTM B858 "Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys" or ISO 6957 "Copper alloys – Ammonia test for stress corrosion resistance" in a test solution of pH 9.5.

#### 5.89.2.3 Requirements

There shall be no evidence of cracking when viewed with a microscope with a minimum magnification of 10X, with the exception of surface cracking. Surface cracking is defined as small imperfections that do not penetrate beyond the immediate surface of the part. For verification, the outer surface of the specimen shall

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be cross sectioned, polished with a wire brush to remove any oxide scale and then examined under a metallographic microscope for evidence of surface cracking.

Failure of one of the three specimens tested is cause for retest of three additional specimens. Failure of one specimen in the retest shall constitute failure in the test.

NOTE — The requirements for resistance to dezincification and resistance to stress corrosion cracking are intended to establish a minimum level of performance for products intended for use in potable water systems. These requirements are not a guarantee for prevention of erosion or corrosion.

Tracking #50i131r1  
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Draft 1, Issue 131 (November 2017)

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## **NSF/ANSI 50 – 2016a**

### **Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**

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#### **1 General**

##### **1.1 Scope**

This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.

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NSF/ANSI 173 – 20XX  
Issue 74, Revision 1 (November 2017)

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## NSF International Standard for Dietary Supplements —

### Dietary supplements

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\*\*\*\*\*PLEASE NOTE THAT THE REST OF TABLE 1 WILL REMAIN AS IT WAS VOTED ON IN 173i69r1 IN 06/17. THIS BALLOT (173i74r1) IS TO ONLY CHANGE THE PESTICIDES BELOW. \*\*\*\*\*

#### Annex D

Table 1: Final MALs for 34 Pesticides Impacted

Pesticide	CAS #	MAL ( $\mu\text{g}/\text{day}$ ) –Annex D Issue Paper i69	Lowest MAL ( $\mu\text{g}/\text{day}$ )
1-Naphthol	90-15-3	80	70
Carbaryl	63-25-2		
Captan	133-06-2	29	292
Tetrahydrophthalimide (THPI)	27813-21-4		
Carbendazim (MBC)	10605-21-7	6	17.5
alpha-Chlordane	5103-71-9		
gamma-Chlordane	5566-34-7		
trans-Chlordane	5103-74-2	0.2	2
cis-Nonachlor	5103-73-1		
trans-Nonachlor	39765-80-5		
Chlorothalonil	1897-45-6	9.1	91
Clofentezine	74115-24-5	1.9	19
p,p'-DDD	72-54-8	0.29	2.9
p,p'-DDE	72-55-9	0.21	2.1
p,p'-DDT	50-29-3	0.21	2.1
Dieldrin	60-57-1	0.0044	0.044
Ethoprop	13194-48-4	2.5	9.8
Fenbuconazole	114369-43-6	19	195

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Issue 74, Revision 1 (November 2017)

Heptachlor epoxide	1024-57-3	<del>0.0077</del>	0.077
Hexachlorobenzene (HCB)	118-74-1	<del>0.069</del>	0.69
alpha-Hexachlorocyclohexane	319-84-6	<del>0.011</del>	0.11
Hexaconazole	79983-71-4	<del>4.4</del>	44
Imazalil	35554-44-0	<del>1.1</del>	11
Iprodione	36734-19-7	<del>1.6</del>	16
Permethrin	52645-53-1	<del>7.3</del>	73
Prochloraz	67747-09-5	<del>0.47</del>	4.7
Procymidone	32809-16-8	<del>3</del>	30
Propargite	2312-35-8	<del>21</del>	212
Pymetrozine	123312-89-0	<del>5.9</del>	56
Resmethrin	10453-86-8	<del>1.2</del>	12
Tetrachlorvinphos	22248-79-9	<del>38</del>	294
Thiacloprid	111988-49-9	<del>1.7</del>	17
Thiodicarb	59669-26-0	<del>3.7</del>	37
Trifluralin	1582-09-8	<del>12</del>	121

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Issue 4 Revision3 (November 2017)

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

## NSF/ANSI Standard for 347 Sustainability Assessment for Single Ply Roofing Membranes

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### 4 Conformance, evaluation, and assessment criteria

#### 4.4.4 Monitoring and reevaluation

Procedures shall exist, and shall be documented by the manufacturer, to regularly monitor and measure continued conformance of products to this Standard. ~~In no event shall monitoring and reevaluation occur less frequently than once every third year.~~ **Monitoring and reevaluation shall occur every third year** providing no significant changes have been made to the product

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### 5 Product design

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#### 5.5.1 Supplier environmental disclosure (maximum 3 points)

The manufacturer shall receive 1 point for documenting the implementation of a key supplier environmental disclosure process requiring supplier disclosure of environmental performance information including, at a minimum:

- compliance (or lack thereof) with local, regional, and national environmental requirements and reporting of any outstanding violations or issues of noncompliance;
- presence (or absence) of a documented environmental management system prepared and operated in general accordance with ISO 1400113 or RCMS®14;
- release of reportable quantities of TRI PBTs, if applicable;
- use (or lack thereof) of renewable energy supplies; and evidence of greenhouse gas emissions tracking, or lack thereof.

#### ~~5.5.6 Reduced emissions of chemicals of concerns by key suppliers (maximum 2 points)~~

~~For those individual material inputs provided by key suppliers, the manufacturer shall receive:~~

- 1 point for demonstrating that the applicable operations of key suppliers do not release known PBT chemicals or compounds at or above CERCLA reporting thresholds; and
- 1 point for demonstrating that the applicable operations of key suppliers do not release any other listed TRI or NPRI chemicals or compounds at or above USEPA CERCLA reporting thresholds.

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**6 Product manufacturing**  
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**6.1.1 Scope**

The basis for assessment of units inputs or outputs in this section shall be designated as a unit area, product basis, unit area, total manufacturing operation basis, or facility basis and applied consistently throughout the section

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**7 Membrane durability**  
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**7.4.1 Reflectivity (maximum 3 points)**

The manufacturer shall receive up to 3 points for demonstrating Energy Star® or equivalent reflectivity criteria.

- 1 point for meeting ENERGY STAR® or equivalent three-year reflectivity criteria; or
- 2 points for meeting ENERGY STAR® or equivalent three-year reflectivity criteria after 5 years in the field; or
- 3 points for meeting ENERGY STAR® or equivalent three-year reflectivity value after 10 years in the field.

The protocol for reflectivity determination shall be the ~~CRRC-1 Method #1: Standard Practice for Measuring Solar Reflectance of a Flat, Opaque, and Heterogeneous Surface Using a Portable Solar Reflectometer. Section S.4 Test Method #1 of ANSI/CRRC S100 Standard Test Methods for Determining Radiative Properties of Materials (formerly CRRC-1 Standard).~~

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**7.5.3.2** A manufacturer shall receive points as shown below for reporting to the certification body the following physical property measurements for a minimum of two samples from ~~4 of the 8~~ each of the ASHRAE 90.13 climate zones ~~3, 4, 5, and 6~~.

The measured properties (following procedures specified in the appropriate ASTM product standard) shall include:

- thickness of film over fabric reinforcement (for reinforced membrane)
- total thickness (for non-reinforced membrane)

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- Elongation
- tensile strength
- plasticizer content (alternative test for PVC membrane in place of elongation and tensile strength)

For the points below, the year 2010 or later shall be the baseline year.

- the manufacturer shall earn 2 points for reporting initial values (at installation); or
- the manufacturer shall earn 4 points for reporting 5<sup>th</sup> year values and initial values; or]
- the manufacturer shall earn 6 points for reporting 10<sup>th</sup> year values including 5<sup>th</sup> year, and initial values; or
- the manufacturer shall earn 8 points for reporting 15<sup>th</sup> year values including 10<sup>th</sup> year, 5<sup>th</sup> year, and initial values.

The manufacturer shall receive an additional 1 point for reporting this information publicly.

## Annex A (normative)

### Scoring System Sustainable Product Assessment – Single Ply Roofing Membrane

Section title	Pre-requisite (P) or optional (O)	Points
Section 5 Product design		
5.2.1 Prerequisite - Environmental considerations in design	P	
5.2.2 Life cycle assessment (LCA)	O	8
5.3.1 Inventory of material inputs	O	1
5.3.2 Environmentally sustainable inputs – membrane	O	8
5.3.3 Environmentally sustainable inputs – packaging	O	2
5.4.1 Identification of use of chemicals of concern	O	1
5.4.2 Minimization of known chemicals of concern in membrane*	O	5
5.4.3 Reduction in use of chemicals of concern*	O	2
5.5.1 Supplier environmental disclosure	O	1-3

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5.5.2 Supplier environmental performance disclosure	O	2
5.5.3 Supplier social accountability	O	1
5.5.4 Supplier social accountability disclosure	O	2
5.5.5 Supplier audits	O	2
<del>5.5.6 Reduced emissions of chemicals of concern by key suppliers</del>	<del>O</del>	<del>2</del>
5.6 Product recyclability into durable products	O	2
5.7 Post-consumer single ply roofing membrane reclamation	O	3
5.8 Pre-consumer single ply roofing membrane reclamation	O	2
<b>Total for section 5</b>		<b>42</b>

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## Annex B1 (informative)

### Key elements of a certification program for Environmentally Preferable and Sustainable Single Ply Roofing Membranes

#### B.2.4 Monitoring of product conformance

~~At intervals determined by the certifying organization, the continued conformance of the certified product to the specified criteria is monitored through a surveillance audit that is conducted once during the three year certification period, using periodic facility audits, periodic retesting, or both.~~

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NSF International Standard  
for Plastics –

## Polypropylene Pipe and Fittings for Water-Based Ground-Source “Geothermal” Heat Pump Systems

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### 2 Normative References

The following documents contain provisions that, through reference, constitute provisions of this NSF Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

#### Normative References for Polypropylene Pipe and Fittings for Water-Based Ground-Source “Geothermal” Heat Pump Systems:

ASTM D2290-08<sup>12</sup> Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe by Split Disk Method<sup>1</sup>

ASTM D2837-44<sup>13</sup> Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products<sup>1</sup>

ASTM D543-06 Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents<sup>1</sup>

ASTM F1588-96 (2014<sup>5</sup>) Standard Test Method for Constant Tensile Load Joint Test (CTLJT)<sup>1</sup>

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### 5 General Requirements

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#### 5.3 Chemical Resistance

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<sup>1</sup> American Society for Testing Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 <[www.astm.org](http://www.astm.org)>.

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**5.3.4** Test the specimens for tensile strength in accordance with ASTM D2290<sup>1</sup>, Procedure B using 0.5 in/min (12.7 mm/min) testing speed within ½ hr after weighting. Examine the weight and apparent tensile strength of each specimen.

*Rationale: added metric equivalent.*

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## **7 Quality Assurance**

### **7.1 General**

A quality control program shall be operated and maintained to ensure that products conform to the applicable requirements of this Standard on a continuous basis. The manufacturer shall provide and maintain quality control testing facilities at each production facility.

**7.1.1** Quality control testing shall be conducted at ambient temperature and humidity or standard laboratory conditions of ~~23 ± 2°C (73 ± 3.6°F)~~ 73 ± 3.6°F (23 ± 2°C) and 45 to 55% relative humidity.

*Rationale: changed order to remain consistent with other NSF Standards.*

## BSR/UL 25A, Standard for Safety for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)

### 1. Revision of testing requirements for seal materials

#### PROPOSAL

##### 6.2.3 Nonmetallic materials – system level

6.2.3.1 For all materials, gaskets and seals that have been shown to comply with the applicable requirements for static seals in the Standard for Gaskets and Seals, UL 157, or with the requirements under material level tests shall be subjected to the system level tests for the applicable component after the Long Term Exposure Test, Section 12. Static seals shall be provided in accordance with 12.2.5. Static seals that comply with specified fluids according to the UL157 tests are not subject to the Long Term Exposure Test.

12.3.3 The chamber temperature is increased to  $60 \pm 2^{\circ}\text{C}$  ( $140 \pm 4^{\circ}\text{F}$ ). When the chamber reaches this temperature, the exposure period begins. The samples are exposed to the applicable test fluid at  $60 \pm 2^{\circ}\text{C}$  for approximately 168 hours. At the end of this duration, the exposure period is halted and the chamber is allowed to cool. The samples are subjected to a 50 psi (347 kPa) pressure for one minute. The fluid is then drained from the samples and observed. After this observation, the fluid is discarded. The samples are then immediately refilled with new test fluid and the chamber temperature is allowed to increase to  $60 \pm 2^{\circ}\text{C}$  again. The total duration of the test shall equal 1,008 ~~2,520~~ hours of exposure at  $60 \pm 2^{\circ}\text{C}$ .

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**BSR/UL 25B, 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**

**1. Revision of testing requirements for seal materials**

**PROPOSAL**

**6.2.3 Nonmetallic materials – system level**

6.2.3.1 For all materials, gaskets and seals that have been shown to comply with the applicable requirements for static seals in the Standard for Gaskets and Seals, UL 157, or with the requirements under material level tests shall be subjected to the system level tests for the applicable component after the Long Term Exposure Test, Section 12. Static seals shall be provided in accordance with 12.2.4. Static seals that comply with specified fluids according to the UL 157 tests are not subject to the Long Term Exposure Test.

12.3.3 The chamber temperature is increased to  $60 \pm 2^\circ\text{C}$  ( $140 \pm 4^\circ\text{F}$ ). When the chamber reaches this temperature, the exposure period begins. The samples are exposed to the applicable test fluid at  $60 \pm 2^\circ\text{C}$  for approximately 168 hours. At the end of this duration, the exposure period is halted and the chamber is allowed to cool. The samples are subjected to a 50 psi (347 kPa) pressure for one minute. The fluid is then drained from the samples and observed. After this observation, the fluid is discarded. The samples are then immediately refilled with new test fluid and the chamber temperature is allowed to increase to  $60 \pm 2^\circ\text{C}$  again. The total duration of the test shall equal 1,008 2,520 hours of exposure at  $60 \pm 2^\circ\text{C}$ .

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## BSR/UL 676, Standard for Underwater Luminaires and Submersible Junction Boxes

### 1. Corrections to references

### 2. Editorial revisions

### 3. Addition of a Conduit Hub Torque Test

### 4. Clarification of the Abnormal Temperature Test in 34.7

## PROPOSAL

10.10 Flexible cord shall not be accessible to contact unless the luminaire and its installation comply with item (a), (b), (c), or (d), and strain relief is provided to reduce the risk of stress being transmitted to electrical splices. The flexible cord is accessible to contact only:

- a) During luminaire relamping or servicing;
- b) When it is part of the power supply cord of a cord- and plug-connected luminaire;
- c) When it is the flexible cord of the cord- and plug-connected luminaire that extends from the pool wall to the location remote from the pool wall as specified in ~~40.10~~ 10.9; or
- d) When it is reliably routed and secured to suitably rigid structural members of the pool, the luminaire, or other objects installed for the purpose in accordance with subitem (1) or (2).
  - 1) The flexible cord is positioned and secured so that it is not likely to be stepped on, pulled, or subjected to a force that increases its tensile stress. The flexible cord is considered to comply with this requirement if it is secured against a vertical surface (for example, a pool wall) or if the flexible cord is guarded so that it is not likely to be subjected to such force. A guard and supporting structural members used to comply with this requirement shall comply with the Flexible Cord Guard and Support Test, Section 43.
  - 2) The flexible cord is secured in a location other than as described in subitem (1) and in a location such that the flexible cord is pressed against and supported by a suitable rigid surface directly under the force application point if the flexible cord is stepped on or subjected to another downward or horizontal force. Structural members used to comply with this requirement shall comply with the Flexible Cord Guard and Support Test, Section 43.

The total length of flexible cord that is accessible to contact and that is connected to the same circuit shall not exceed 1.52 m (5 feet). The flexible cord identified in (a) - (c) is not to be considered when determining compliance with this 1.52-m requirement. The installation instructions shall include the instructions described in 44.11.



54.1 A submersible luminaire with a lens guard shall not be subject to:

- a) Breakage of the lens or guard or
- b) Deformation of the guard that would cause the luminaire not to comply with the requirement in ~~45.6~~ 46.7, when tested as described in 54.2.

55.1 A submersible luminaire with a lens guard shall not be subject to:

- a) Breakage of the lens or guard or
- b) Deformation of the guard that would cause the luminaire not to comply with the requirement in ~~46.6~~ 46.7 when tested as described in 55.2

## PROPOSAL

11.2.3 The end of the flexible cord jacket and the flexible cord conductor terminations shall be covered with or encapsulated in a potting compound to prevent the entry of water into the luminaire through the cord or its conductors. In addition, a ground connection within the luminaire, if provided, shall be similarly treated to protect such connection from the deteriorating effect of chemicals in the water in the event of water entry into the luminaire.

34.5 To prevent the entrance of water into the luminaire, it may be necessary to provide means for thermocouple entrance into the luminaire. A tube that is welded to an opening in the luminaire and that extends above the water level may be used for this purpose, or equivalent means may be used. ~~For test purposes the luminaire may need to be provided with the facilities described in 34.3.~~

40.4 A sheet of lead or nitrile rubber buffer pad (item F of Figure 40.1 and Table 40.1) is to be secured over the point of contact, and the deceleration unit and driving mass are to be suspended as shown in Figure 40.3. The driving mass is to be raised a total height of 114 mm (4.5 inches) and released.

53.1 Water shall not enter a submersible luminaire when it is operated under a 31-cm (1-ft) head of water in 1/2-hour-on, 1/2-hour-off cycles for 6 hours.

## PROPOSAL

11.1.3 A conduit hub shall be threaded and shall have a wall thickness before threading not less than that of the corresponding trade size of conduit. A conduit hub that is not cast integrally with an enclosure shall not depend upon friction alone to prevent its

turning, and shall comply with the Conduit Hub Torque Test, Section 43A. The hub shall additionally be capable of withstanding the specified torque applied to a short length of rigid metal conduit threaded into the hub in the intended manner, without turning in the enclosure and without stripping any threads. The enclosure shall be rigidly mounted or supported. For the 3/4-inch and smaller trade sizes, the applied torque shall be 90.4 N-m (800 pound-inches); for the 1, 1-1/4, and 1-1/2 inch trade sizes, 113.0 N-m (1000 pound-inches); and for the 2-inch and larger sizes, 180.8 N-m (1600 pound-inches).

### 43A Conduit Hub Torque Test

43A.1 An enclosure with a non-integral conduit hub shall be rigidly mounted or supported. A short length of rigid metal conduit shall be threaded into the hub and the torque forces specified in Table 43A.1 shall be applied. The hub shall not turn in the enclosure and shall not exhibit stripping of any threads.

**Table 43A.1**

#### Torque forces for the Conduit Hub Torque Test

<u>Conduit trade size</u>	<u>Applied torque, N-m (lb-in)</u>	<u>Applied torque, N-m (lb-in)</u>
<u>3/4 inch or smaller</u>		<u>90.4 (800)</u>
<u>1, 1-1/4, and 1-1/2 inch</u>		<u>113.0 (1000)</u>
<u>2 inch and larger</u>		<u>180.8 (1600)</u>

### **PROPOSAL**

34.7 In addition to the tests described in 34.1 - 34.6, a luminaire provided with a one-time operation thermal sensitive device and marked in accordance with 44.6 shall additionally be tested in a totally dry condition by operation out of water while resting face down on a flat wooden deck. This test verifies that the luminaire will not become permanently inoperable during lamp replacement if the luminaire is briefly energized prior to re-installation. The temperature of the luminaire at the start of the test shall be 25 ±5°C (77 ±9°F). Results are acceptable if the protective device does not operate during the first 3 minutes of operation.

**BSR/UL 763, Standard for Safety for Motor-Operated Commercial Food Preparing Machines**

Subject 763

**SUMMARY OF TOPICS**

***The following changes in requirements to the Standard for Motor-Operated Commercial Food Preparing Machines, UL 763, are being proposed:***

- 1. Electronic Media Instructions***
- 2. Revision of Clause B1.9 and Removal of Table B1.1***

**STP BALLOTS AND ALL COMMENTS DUE December 18, 2017**

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UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 763, UL is looking for participants in the in all interest categories, *except* the Producer category. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 763 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Anne Marie Jacobs, AnneMarie.Jacobs@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

## 1. Electronic Media Instructions

### RATIONALE

Proposal submitted by: Darrin Conlon, UL LLC

UL specifies that any markings, installation and operating instructions shall be provided with the appliance. In the past, these instructions have typically been provided in hard copy printed format along with additional manufacturer's information, recipes, etc. that are not required by the Standard. For a variety of reasons, manufacturers are looking at other means to provide this important information. Instructions required by UL 763 must be readily available to the user.

This proposal is intended to document the requirements for the use of electronic instructions, identifying those instructions that must be provided as hard copy printed instructions, and those required on printed instructions indicating how to obtain a copy of the material contained in the electronic media via phone and /or company website. Electronic Media Instructions have already been adopted and utilized across other Major Appliance Standards, such as UL 197, UL 471, UL 858, and UL 923.

### PROPOSAL

59.2 The instructions and warning statements required by 6A.8, 6A.9, 26.3, 57.7, 58.1, and 59.1 shall be provided as printed material. All other instructions may be provided in electronic read-only media format, such as DVD, website (accessible via URL, QR code, or similar means), flash drive or CD-ROM. If electronic media instructions are provided, the instructions and warning statements required by 6A.8, 6A.9, 26.3, 57.7, 58.1, and 59.1 shall also be included within the electronic media instructions.

59.3 The printed instruction material referenced in 59.2 shall contain detailed instructions of how to obtain a printed copy of the material contained in electronic format.

## 2. Revision of Clause B1.9 and Removal of Table B1.1

## RATIONALE

Proposal submitted by: Darrin Conlon, UL LLC

This proposal is intended to revise Clause B1.9 and remove Table B1.1. During the recent revision cycle, the clause and table in question were included in an effort to solicit specific technical input with respect to performance levels and safety critical functions. Input was not received to the point where the clause and table would provide meaningful requirements, and as such, the table included only asterisks (not requirements) as the proposal moved forward in the process. It was intended therefore, that the clause and table in question would eventually not be included in the final revised pages. However, the clause and table were inadvertently included when the pages were published. This proposal is to remove the erroneous clause and table that were included by mistake.

## PROPOSAL

~~B1.9 With respect to Indent G of the Indent Instructions in UL 2595 additional safety-critical functions (SCFs) are identified in Table B.1.1 below:~~

With respect to safety critical functions (SCFs), the requirements in Table 11.1 of UL 2595 are applicable.

~~Table B1.1~~

~~*Required performance levels*~~

<del>Type and Purpose of SCF</del>	<del>Minimum Performance Level (PL)</del>
<del>Prevents accidental ON where the user may be exposed to the risk of injury due to moving or rotating parts or blades.</del>	<del>*</del>
<del>Provides OFF functionality for appliances where the user may be exposed to the risk of injury due to moving or rotating parts or blades.</del>	<del>*</del>
<del>Interlocks required by Section 26.</del>	<del>*</del>

## BSR/UL 6703, Standard for Safety for Connectors for Use in Photovoltaic Systems

### 1. Additional Requirements to Allow for AL Conductors of AA-8000 Grade or Higher.

#### 5 Current Carrying Parts (Contacts)

5.1 ~~Connectors shall be rated either for the use of Aluminum (AL) with aluminum conductors, or Copper (CU) or dual rated for AL/CU conductors to be used use with copper conductors, or dual-rated for use with either aluminum or copper conductors. The current-carrying parts of a connector shall use material that complies with the Standard for Wire Connectors, UL 486A-486B at the points of electrical contact with the conductor coupling. The current-carrying parts at the points of electrical coupling (i.e., contacts) shall use material that complies with the Standard for Wire Connectors, UL 486A-486B, based on the conductor rating of the connector.~~

~~5.2 Connectors rated for use with aluminum conductors shall have current-carrying parts made of aluminum, tin-plated copper, or brass-plated copper. AL-rated connectors shall only be used with AA-8000 conductors or similar.~~

5.2 Connectors rated for use with aluminum conductors shall only be used with AA-8000 series aluminum alloy conductors that comply with the Standard for Photovoltaic Wire, UL 4703.

~~5.3 CU-rated connectors shall have current-carrying parts made of copper or copper alloy. Current-carrying parts containing more than 15% zinc shall comply with 7.12.3 of the Standard for Wire Connectors, UL 486A-486B.~~

5.3 Connectors rated for use with copper conductors with current carrying parts that contain more than 15% zinc shall comply with 7.12.3 of the Standard for Wire Connectors, UL 486A-486B.

~~5.4 AL/CU-rated Mated connectors shall have current-carrying parts made of tin-plated both be aluminum-rated, both be copper rated, or brass-plated at least one connector shall be dual-rated for use with aluminum or copper. When used to connect to an aluminum conductor, only type AA-8000 conductors or similar shall be used. conductors. Alternatively, mated connectors that are listed for use with each other shall be permitted, irrespective of their individual conductor rating.~~



## Standards Action Publishing Schedule for 2018, Volume No. 49

\*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the \*SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/19/2017	12/25/2017	<b>Jan-5</b>	2/4/2018	2/19/2018	3/6/2018
2	12/26/2017	1/1/2018	<b>Jan-12</b>	2/11/2018	2/26/2018	3/13/2018
3	1/2/2018	1/8/2018	<b>Jan-19</b>	2/18/2018	3/5/2018	3/20/2018
4	1/9/2018	1/15/2018	<b>Jan-26</b>	2/25/2018	3/12/2018	3/27/2018
5	1/16/2018	1/22/2018	<b>Feb-2</b>	3/4/2018	3/19/2018	4/3/2018
6	1/23/2018	1/29/2018	<b>Feb-9</b>	3/11/2018	3/26/2018	4/10/2018
7	1/30/2018	2/5/2018	<b>Feb-16</b>	3/18/2018	4/2/2018	4/17/2018
8	2/6/2018	2/12/2018	<b>Feb-23</b>	3/25/2018	4/9/2018	4/24/2018
9	2/13/2018	2/19/2018	<b>Mar-2</b>	4/1/2018	4/16/2018	5/1/2018
10	2/20/2018	2/26/2018	<b>Mar-9</b>	4/8/2018	4/23/2018	5/8/2018
11	2/27/2018	3/5/2018	<b>Mar-16</b>	4/15/2018	4/30/2018	5/15/2018
12	3/6/2018	3/12/2018	<b>Mar-23</b>	4/22/2018	5/7/2018	5/22/2018
13	3/13/2018	3/19/2018	<b>Mar-30</b>	4/29/2018	5/14/2018	5/29/2018
14	3/20/2018	3/26/2018	<b>Apr-6</b>	5/6/2018	5/21/2018	6/5/2018
15	3/27/2018	4/2/2018	<b>Apr-13</b>	5/13/2018	5/28/2018	6/12/2018
16	4/3/2018	4/9/2018	<b>Apr-20</b>	5/20/2018	6/4/2018	6/19/2018
17	4/10/2018	4/16/2018	<b>Apr-27</b>	5/27/2018	6/11/2018	6/26/2018
18	4/17/2018	4/23/2018	<b>May-4</b>	6/3/2018	6/18/2018	7/3/2018
19	4/24/2018	4/30/2018	<b>May-11</b>	6/10/2018	6/25/2018	7/10/2018
20	5/1/2018	5/7/2018	<b>May-18</b>	6/17/2018	7/2/2018	7/17/2018
21	5/8/2018	5/14/2018	<b>May-25</b>	6/24/2018	7/9/2018	7/24/2018
22	5/15/2018	5/21/2018	<b>Jun-1</b>	7/1/2018	7/16/2018	7/31/2018
23	5/22/2018	5/28/2018	<b>Jun-8</b>	7/8/2018	7/23/2018	8/7/2018
24	5/29/2018	6/4/2018	<b>Jun-15</b>	7/15/2018	7/30/2018	8/14/2018
25	6/5/2018	6/11/2018	<b>Jun-22</b>	7/22/2018	8/6/2018	8/21/2018
26	6/12/2018	6/18/2018	<b>Jun-29</b>	7/29/2018	8/13/2018	8/28/2018
27	6/19/2018	6/25/2018	<b>Jul-6</b>	8/5/2018	8/20/2018	9/4/2018
28	6/26/2018	7/2/2018	<b>Jul-13</b>	8/12/2018	8/27/2018	9/11/2018
29	7/3/2018	7/9/2018	<b>Jul-20</b>	8/19/2018	9/3/2018	9/18/2018
30	7/10/2018	7/16/2018	<b>Jul-27</b>	8/26/2018	9/10/2018	9/25/2018
31	7/17/2018	7/23/2018	<b>Aug-3</b>	9/2/2018	9/17/2018	10/2/2018





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32	7/24/2018	7/30/2018	<b>Aug-10</b>	9/9/2018	9/24/2018	10/9/2018
33	7/31/2018	8/6/2018	<b>Aug-17</b>	9/16/2018	10/1/2018	10/16/2018
34	8/7/2018	8/13/2018	<b>Aug-24</b>	9/23/2018	10/8/2018	10/23/2018
35	8/14/2018	8/20/2018	<b>Aug-31</b>	9/30/2018	10/15/2018	10/30/2018
36	8/21/2018	8/27/2018	<b>Sep-7</b>	10/7/2018	10/22/2018	11/6/2018
37	8/28/2018	9/3/2018	<b>Sep-14</b>	10/14/2018	10/29/2018	11/13/2018
38	9/4/2018	9/10/2018	<b>Sep-21</b>	10/21/2018	11/5/2018	11/20/2018
39	9/11/2018	9/17/2018	<b>Sep-28</b>	10/28/2018	11/12/2018	11/27/2018
40	9/18/2018	9/24/2018	<b>Oct-5</b>	11/4/2018	11/19/2018	12/4/2018
41	9/25/2018	10/1/2018	<b>Oct-12</b>	11/11/2018	11/26/2018	12/11/2018
42	10/2/2018	10/8/2018	<b>Oct-19</b>	11/18/2018	12/3/2018	12/18/2018
43	10/9/2018	10/15/2018	<b>Oct-26</b>	11/25/2018	12/10/2018	12/25/2018
44	10/16/2018	10/22/2018	<b>Nov-2</b>	12/2/2018	12/17/2018	1/1/2019
45	10/23/2018	10/29/2018	<b>Nov-9</b>	12/9/2018	12/24/2018	1/8/2019
46	10/30/2018	11/5/2018	<b>Nov-16</b>	12/16/2018	12/31/2018	1/15/2019
47	11/6/2018	11/12/2018	<b>Nov-23</b>	12/23/2018	1/7/2019	1/22/2019
48	11/13/2018	11/19/2018	<b>Nov-30</b>	12/30/2018	1/14/2019	1/29/2019
49	11/20/2018	11/26/2018	<b>Dec-7</b>	1/6/2019	1/21/2019	2/5/2019
50	11/27/2018	12/3/2018	<b>Dec-14</b>	1/13/2019	1/28/2019	2/12/2019
51	12/4/2018	12/10/2018	<b>Dec-21</b>	1/20/2019	2/4/2019	2/19/2019
52	12/11/2018	12/17/2018	<b>Dec-28</b>	1/27/2019	2/11/2019	2/26/2019