ANSI STANDARDS ACTION

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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: September 15, 2019

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

Addenda

BSR/ASHRAE/ASHE Addendum 170c-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addenda provides guidance to users of Standard 170 on how to incorporate air classifications into their design of Standard 170 spaces if they are required to utilize them in conjunction with ASHRAE Standard 62.1.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

BSR/ASHRAE/ASHE Addendum 170h-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addenda provides guidance to users of Standard 170 for considerations related to thermal comfort, with acknowledgment and limitations of the role of ASHRAE Standard 55 requirements and how to incorporate thermal comfort requirements into their design of Standard 170 spaces.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

BSR/ASHRAE/ASHE Addendum 170p-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum incorporates updates to Table 7.1. Generally, the changes are as follows: Delete the requirements for Residential Health, Care, and Support spaces, which are being relocated to a new Table 9.1 in Addendum n. Relocate and update filtration requirements. Part of that effort revised the Filter Bank No. 1 entries to be “MERV 8” from the prior entry of “MERV 7”. Include requirements for unoccupied turndown of the spaces. Revise the space name terminology, table organization, and subheadings to better correlate with the 2014 FGI Guidelines for Design and Construction of Hospitals and Outpatient Facilities.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASPE (American Society of Plumbing Engineers)

Revision

BSR/ARCSA/ASPE 63-201x, Rainwater Catchment Systems (revision of ANSI/ARCSA/ASPE 63-2013)

The scope of this standard covers requirements for the design and installation of rainwater catchment systems that utilize the principle of collecting and using precipitation from a rooftop and other hard, impervious building surfaces. This standard does not apply to the collection of rainwater from vehicular parking or other similar surfaces.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: gpienta@aspe.org

ICC (International Code Council)

New Standard

BSR/ICC 1100-201x, Standard for Spray-Applied Polyurethane Foam Plastic Insulation (new standard)

Construction codes have requirements for thermal resistance of insulating materials but currently include limited material standards for certain types of insulating materials. The purpose is to develop a performance standard based upon existing ICC-ES Acceptance Criteria and related documents for spray-applied foam plastic insulation for use by industry and possible inclusion in construction codes.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: kaittaniemi@iccsafe.org

NSF (NSF International)

Revision

BSR/NSF 62-201x (i37r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2018)

This standard establishes minimum materials, design and construction, and performance requirements for point-of-use and point-of-entry drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies. Systems covered under this standard may also be designed to reduce microbiological contaminants, including bacteria, viruses, and cysts, from potable drinking water supplies. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 330A-201x, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (new standard)

This standard covers hose and hose assemblies, including vapor recovery hose and assemblies, for use on dispensing devices for motor fuels. A flammable liquid hose assembly consists of flexible hose and fittings suitable for attachment to motor-fuel-dispensing equipment. These requirements cover hose and hose assemblies (hose with couplings attached) in sizes up to and including 1-1/2 inches (38.1 mm). These requirements are intended for use with one or more of the following motor fuels: (a) Gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814; (b) Gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent ethanol (E25), consisting of gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814, when blended with denatured fuel ethanol formulated to be consistent with the Standard Specification for Denatured Fuel Ethanol for Blending with Gasoline for Use as Automotive Spark-Ignition Engine Fuel, ASTM D4806; or (c) Gasoline/ethanol blends with nominal ethanol concentrations above 25 percent formulated in accordance with the Standard Specifications in item (b) or formulated in accordance with the Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines, ASTM D5798, as applicable. Includes products intended to be rated for use with gasoline or gasoline/ethanol blends with nominal ethanol concentrations: (a) Up to 25 percent (E0 – E25) shall be evaluated using the CE25a test fluid as the only applicable test fluid; (b) Up to 40 percent (E0 – E40) shall be evaluated using both the CE25a and CE40a test fluid; or (c) Up to 85 percent shall be evaluated using both the CE25a and the CE85a test fluids.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1090-2016 (R201x), Standard for Safety for Electric Snow Movers (reaffirmation of ANSI/UL 1090-2016)

(1) Proposed revisions to paragraph SA2.2 to specify impact test requirements that align with similar Impact Test requirements In UL 62841-1; (2) Proposed revisions to paragraph SA2.4 to clarify the force value used to test battery enclosures; (3) Proposed revisions to delete section 42A, Electrostatic Discharge (ESD) Resistance Test.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Elizabeth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018)

This proposal for UL 498 covers: addition of requirements for Attachment Fitting & Receptacle for Luminaire and/or Ceiling Fan Load Ratings.

Click here to view these changes in full

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

BSR/UL 753-201x, Standard for Safety for Alarm Accessories for Automatic Water-Supply Control Valves for Fire Protection Service (revision of ANSI/UL 753-2013 (R2018))

(1) Correction to Figure 34.1.

Click here to view these changes in full

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

BSR/UL 1981-201X, Standard for Safety for Central-Station Automation Systems (revision of ANSI/UL 1981-2014a)

UL proposes a Recirculation for the ballot dated June 7, 2019.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Wathma Jayathilake, (613) 368-4432, Wathma.Jayathilake@ul.org

BSR/UL 2565-201x, Standard for Safety for Manual and Semiautomatic Metal Sawing Machines (revision of ANSI/UL 2565-2013 (R2017))

(1) Proposed revisions to expand the scope of UL 2565 to cover larger industrial metalworking and woodworking type machines.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Elizabeth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.org

Comment Deadline: September 30, 2019

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 023-201x, Standard for Training in Forensic DNA Isolation and Purification Methods (new standard)

This document provides requirements to ensure proper training in the methods of DNA isolation and purification used within the trainee's forensic DNA laboratory.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Order from: Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

BSR/ASB Std 115-201x, Standard for Training in Forensic Short Tandem Repeat Typing Methods using Amplification, DNA Separation, and Allele Detection. (new standard)

This standard provides the requirements of a forensic DNA laboratory's training program in forensic Short Tandem Repeat typing methods using amplification, DNA separation, and allele detection.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Order from: Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

BSR/ASB Std 116-201x, Standard for Training in Forensic DNA Quantification Methods. (new standard)

This standard provides the requirements for a forensic DNA laboratory's training program in DNA quantification.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Order from: Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

APCO (Association of Public-Safety Communications Officials-International)

New Standard

BSR/APCO 1.117.1-201x, Public Safety Communications Center Key Performance Indicators (new standard)

To provide communications center management with Key Performance Indicators (KPIs) as they relate to the operational performance of communications centers. Topics may include, but are not limited to: number of 9-1-1 calls, time to answer, number of emergency/non-emergency incidents, number of abandoned calls, length of call, wired/wireless/text/TDD/TTY and Next Generation sessions, trunk group, number of calls transferred, police/fire/EMS calls handled, customer satisfaction, and frequency of review.

Single copy price: Free

Obtain an electronic copy from: apcostandards@apcointl.org

Order from: Stacy Banker, (920) 579-1153, apcostandards@apcointl.org

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

API (American Petroleum Institute)

Reaffirmation

BSR/API MPMS Chapter 7.5/ISWO 8310-2012 (R201x), Automatic Tank Temperature Measurement Onboard Marine Vessels Carrying Refrigerated Hydrocarbon and Chemical Gas Fluids (reaffirm a national adoption ANSI/API MPMS Chapter 7.5, 1st Edition -2014)

Specifies the essential requirements and verification procedures for automatic tank thermometers (ATTs) consisting of platinum resistance thermometers (PRT) and an indicating device used for custody transfer measurement of liquefied natural gas, liquefied petroleum, and chemical gases on board ships. Temperature detectors other than PRT are considered acceptable for use in the custody transfer service of liquefied gases if they meet the performance requirements of this document and are approved by national regulations.

Single copy price: $98.00

Obtain an electronic copy from: goodsons@api.org

Send comments (with optional copy to psa@ansi.org) to: goodsons@api.org

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

Addenda

BSR/ASHRAE/ASHE Addendum 170b-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum removes several spaces from Tables 7.1, 8.1, and 9.1 based on those spaces being adequately addressed in other standards. The addendum also proposes to modify minimum total air change requirements for several spaces based on the results of CO-RP 3.

Single copy price: $35.00

Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Order from: standards.section@ashrae.org

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

New Standard

BSR/ASHRAE/AHRI Standard 155-201x, Method of Testing for Rating Commercial Space Heating Boiler Systems (new standard)

Standard 155P provides procedures for determining the steady state thermal efficiency, part load efficiency, and idling energy input rate of space heating boilers.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

AWS (American Welding Society)

Addenda

BSR/AWS C3.6M/C3.6-201x, Specification for Furnace Brazing (addenda to ANSI/AWS C3.6M/C3.6-2016)

This specification provides the minimum fabrication, equipment, material, process procedure requirements, as well as inspection requirements for the furnace brazing of steels, copper, copper alloys, and heat- and corrosion-resistant alloys and other materials that can be adequately furnace brazed (the furnace brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying furnace brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. This specification defines acceptable furnace brazing equipment, materials, and procedures, as well as the required inspection for each class of joint.

Single copy price: $37.00 (Nonmembers)/$28.00 (AWS Members).

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger, (800) 443-9353, kbulger@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS A2.4-201x, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012)

This standard establishes a method for specifying certain welding, brazing, and nondestructive examination information by means of symbols, including the examination method, frequency, and extent. Detailed information and examples are provided for the construction and interpretation of these symbols.

Single copy price: $172.00

Obtain an electronic copy from: sborrero@aws.org

Order from: sborrero@aws.org

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

BHMA (Builders Hardware Manufacturers Association)

Revision

BSR/BHMA A156.21-201x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2014)

This Standard establishes requirements for thresholds. Types are described with identifying numbers. Strength tests, fastening systems, and gasketing tests are included.

Single copy price: $36.00 (nonmembers)/$18.00 (BHMA members)

Obtain an electronic copy from: KBishop@Kellenompany.com

Order from: Karen Bishop; KBishop@kellencompany.com

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

CSA (CSA America Standards Inc.)

New Standard

BSR Z21.104-201x, Standard for manual and automatic gas selector devices for use with gas-fired appliances (Same as CSA 9.2) (new standard)

This Standard applies to newly produced gas selector devices,referred to as a “device” in this standard, constructed entirely of new, unused parts and materials. The device may include functions such as selection of type of gas to operate the appliance and main burner primary air adjustment. The device may also contain multiple passageways that can be selected to allow the gas to pass out through the correct outlet(s) and that may contain the orifice(s). The selector does not provide safety, temperature control, shut-off or pressure regulation. The device may include features such as: (a) main burner primary air adjustment; (b) multiple passageways that can be selected to allow the gas to pass through the correct outlet(s); or (c) orifice(s). A device may be an individual device or may be incorporated as part of a regulator(s) or other type valve(s). A component(s) performing a function other than that covered by this Standard shall comply with the applicable American National Standard(s) or Canadian Standard(s).

Single copy price: $400.00

Obtain an electronic copy from: https://store.csagroup.org

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

CTA (Consumer Technology Association)

Stabilized Maintenance

BSR/CTA 885 S-2007 (S201x), Remote Starter Safety (stabilized maintenance of ANSI/CTA 885-2007 (R2013))

This document addresses automotive accessories that allow the operator to start a vehicle while away from the vehicle and the safety of such devices.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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

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

ISA (International Society of Automation)

Revision

BSR/ISA 77.44.01-201x, Fossil Fuel Power Plant - Steam Temperature Controls (revision of ANSI/ISA 77.44.01-2007 (R2013))

This standard addresses the major steam temperature control subsystems in boilers with steaming capacities of 200,000 lb/hr (25 kg/s) or greater. These subsystems include, but are not limited to, superheat temperature control and reheat temperature control. Specifically excluded from consideration are controls associated with fluidized-bed, stoker-fired furnace combustion units and mud drum desuperheaters.

Single copy price: $60.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

ISEA (ASC Z87) (International Safety Equipment Association)

Revision

BSR ISEA Z87.1-201x, Occupational and Education Personal Eye and Face Protection Devices (revision of ANSI ISEA Z87.1-2015)

This standard sets forth criteria related to the requirements, testing, permanent marking, selection, care, and use of protectors to minimize the occurrence and severity or prevention of injuries from such hazards as impact, non-ionizing radiation and liquid splash exposures in occupational and educational environments including, but not limited to, machinery operations, material welding and cutting, chemical handling, and assembly operations. Certain hazardous exposures are not covered in this standard. These include, but are not limited to: bloodborne pathogens, X-rays, high-energy particulate radiation, microwaves, radio-frequency radiation, lasers, masers, electric arc flash. and sports and recreation.

Single copy price: $40.00

Obtain an electronic copy from: www.safetyequipment.org/resources/shop

Send comments (with optional copy to psa@ansi.org) to: cfargo@safetyequipment.org

MHI (ASC MHC) (Material Handling Industry)

Revision

BSR MH1-201X, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision, redesignation and consolidation of ANSI MH1-2016 and ANSI MH1.14-2016)

This standard pertains to pallets used in the unit load method of assembling, stacking, storing, handling, and transporting materials and products. The standards were to accomplish the following: define terminology and nomenclature associated with pallets; apply to pallets irrespective of components and materials used in their fabrication; provide a series of recommended pallet dimensions and sizes; describe procedures for pallet sampling, inspection and testing; indicate procedures for designating pallet requirements. The purpose of this project is to incorporate ANSI MH1.14-2016, Molded, Wood-Based Composite Pallets, into MH1, then withdraw ANSI MH1.14 as a stand-alone standard

Single copy price: Free

Obtain an electronic copy from: www.mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

BSR C136.34-201X, Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014)

This standard covers supplementary vandal shields used to protect luminaires and luminaire accessories used for roadway and area lighting.

Single copy price: $50.00

Obtain an electronic copy from: david.richmond@nema.org

Order from: David Richmond, (703) 841-3234, David.Richmond@nema.org

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

NFPA (National Fire Protection Association)

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of Second Draft Reports for concurrent review and comment by NFPA and ANSI. The disposition of all comments received are published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Notices of Intent to Make A Motion on the 2019 Fall Revision Cycle Second Draft Reports must be received by August 29, 2019

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

New Standard

BSR/NFPA 1700-201x, Guide for Structural Fire Fighting (new standard)

This guide addresses structural firefighting strategy, tactics, and tasks as supported by science□based research.

Obtain an electronic copy from: www.nfpa.org/1700next

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

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 13E-201x, Recommended Practice for Fire Department Operations in Properties Protected by Sprinkler & Standpipe Systems (revision of ANSI/NFPA 13E-2015)

This recommended practice provides basic procedures and information for use in fire department operations concerning properties equipped with certain fixed fire protection systems. The fixed systems covered in this recommended practice are interior automatic sprinkler systems, exterior sprinkler systems, and standpipe systems.

Obtain an electronic copy from: www.nfpa.org/13Enext

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

BSR/NFPA 31-201x, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2016)

This standard shall apply to the installation of stationary liquid fuel–burning appliances, including but not limited to industrial-, commercial-, and residential-type steam, hot-water, or warm-air heating appliances; domestic-type range burners; space heaters; and portable liquid fuel–burning equipment; accessories and control systems, whether electric, thermostatic, or mechanical, and all electrical wiring connected to liquid fuel–burning appliances; installation of liquid fuel storage and supply systems connected to liquid fuel–burning appliances; those multifueled appliances in which a liquid fuel is one of the standard or optional fuels.

Obtain an electronic copy from: www.nfpa.org/31next

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

BSR/NFPA 56-201x, Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems (revision of ANSI/NFPA 56-2017)

This standard shall apply to fire and explosion prevention during cleaning and purging activities for new and existing flammable gas piping found in electric-generating plants and in industrial, institutional, and commercial applications.

Obtain an electronic copy from: www.nfpa.org/56next

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

BSR/NFPA 61-201x, Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities (revision of ANSI/NFPA 61-2017)

This standard provides requirements applicable to agricultural and/or food processing facilities for managing or mitigating fire and explosion hazards of combustible agricultural or food-processing dusts or related particulate solids.

Obtain an electronic copy from: www.nfpa.org/61next

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

BSR/NFPA 75-201x, Standard for the Fire Protection of Information Technology Equipment (revision of ANSI/NFPA 75-2017)

This standard covers the requirements for the protection of information technology equipment and information technology equipment areas.

Obtain an electronic copy from: www.nfpa.org/75next

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

BSR/NFPA 76-201x, Standard for the Fire Protection of Telecommunications Facilities (revision of ANSI/NFPA 76-2016)

This standard provides requirements for fire protection of telecommunications facilities where telecommunications services such as telephone (landline, wireless) transmission, data transmission, internet transmission, voice-over internet protocol (VoIP) transmission, and video transmission are rendered to the public.

Obtain an electronic copy from: www.nfpa.org/76next

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

BSR/NFPA 91-201x, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids (revision of ANSI/NFPA 91-2015)

This standard provides minimum requirements for the design, construction, installation, operation, testing, and maintenance of exhaust systems for air conveying of vapors, gases, mists, and particulate solids as they relate to fire and/or explosion prevention, except as modified or amplified by other applicable NFPA standards.

Obtain an electronic copy from: www.nfpa.org/91next

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

BSR/NFPA 120-201x, Standard for Fire Prevention and Control in Coal Mines (revision of ANSI/NFPA 120-2015)

This standard shall cover minimum requirements for reducing loss of life and property from fire and explosion in the following: (1) Underground bituminous coal mines, (2) Coal preparation plants designed to prepare coal for shipment, (3) Surface building and facilities associated with coal mining and preparation, and (4) Surface coal and lignite mines.

Obtain an electronic copy from: www.nfpa.org/120next

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

BSR/NFPA 122-201x, Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities (revision of ANSI/NFPA 122-2015)

This standard covers minimum requirements for safeguarding life and property against fire and related hazards associated with metal and nonmetal underground and surface mining and metal mineral processing plants.

Obtain an electronic copy from: www.nfpa.org/122next

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

BSR/NFPA 600-201x, Standard on Facility Fire Brigades (revision of ANSI/NFPA 600-2015)

This standard contains minimum requirements for organizing, operating, training, and equipping industrial fire brigades. It also contains minimum requirements for the occupational safety and health of industrial fire brigade members while performing fire fighting and related activities.

Obtain an electronic copy from: www.nfpa.org/600next

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

BSR/NFPA 601-201x, Standard for Security Services in Fire Loss Prevention (revision of ANSI/NFPA 601-2015)

This standard shall apply to the selection, requirements, duties, and training of security personnel who will perform fire loss prevention duties. It shall cover the following three categories of security services: (1) Protection of the property, including times when management is not present; (2) Access and egress control into and within the confines of the protected property; and (3) Carrying out procedures for the orderly conduct of various operations at the property.

Obtain an electronic copy from: www.nfpa.org/601next

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

BSR/NFPA 664-201x, Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities (revision of ANSI/NFPA 664-2017)

This standard shall establish the minimum requirements for fire and explosion prevention and protection of industrial, commercial, or institutional facilities that process wood or manufacture wood products, using wood or other cellulosic fiber as a substitute for or additive to wood fiber, and that process wood, creating wood chips, particles, or dust.

Obtain an electronic copy from: www.nfpa.org/664next

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

BSR/NFPA 730-201x, Guide for Premises Security (revision of ANSI/NFPA 730-2018)

This guide describes construction, protection, occupancy features, and practices intended to reduce security vulnerabilities to life and property.

Obtain an electronic copy from: www.nfpa.org/730next

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

BSR/NFPA 731-201x, Standard for the Installation of Electronic Premises Security Systems (revision of ANSI/NFPA 731-2017)

This standard covers the application, location, installation, performance, testing, and maintenance of electronic premises security systems and their components.

Obtain an electronic copy from: www.nfpa.org/731next

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

BSR/NFPA 804-201x, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 804-2015)

This standard applies only to advanced light-water-reactor electric-generating plants and provides minimum fire-protection requirements to ensure safe shutdown of the reactor, minimize the release of radioactive materials to the environment, provide safety to life of on-site personnel, limit property damage, and protect continuity of plant operation. The fire protection is based on the principle of defense-in-depth. For plants that have adopted a risk-informed, performance-based approach to fire protection, subsequent changes to the fire protection program shall be made in accordance with NFPA 806.

Obtain an electronic copy from: www.nfpa.org/804next

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

BSR/NFPA 805-201x, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 805-2015)

This standard specifies the minimum fire protection requirements for existing light water nuclear power plants during all phases of plant operation, including shutdown, degraded conditions, and decommissioning.

Obtain an electronic copy from: www.nfpa.org/805next

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

BSR/NFPA 806-201x, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process (revision of ANSI/NFPA 806-2015)

This standard provides minimum requirements for a risk-informed, performance-based change process for the fire-protection program for advanced nuclear-reactor electric generating plants during construction and all phases of plant operation, including shutdown, degraded conditions, and decommissioning. Fundamental fire-protection elements for advanced nuclear reactor electric generating plants can be found in NFPA 804.

Obtain an electronic copy from: www.nfpa.org/806next

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

BSR/NFPA 850-201x, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations (revision of ANSI/NFPA 850-2015)

This document provides recommendations for fire prevention and fire protection for electric generating plants and high-voltage direct current converter stations, except as follows: Nuclear power plants are addressed in NFPA 805; hydroelectric plants are addressed in NFPA 851 ; and fuel cells are addressed in NFPA 853, Standard for the Installation of Stationary Fuel Cell Power Systems.

Obtain an electronic copy from: www.nfpa.org/850next

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

BSR/NFPA 853-201x, Standard for the Installation of Stationary Fuel Cell Power Systems (revision of ANSI/NFPA 853-2015)

This standard shall apply to the design, construction, and installation of stationary fuel cell power systems. The scope of this document shall include the following: (1) A singular prepackaged, self-contained power system unit; (2) Any combination of prepackaged, self-contained power system units; (3) Power system units comprising two or more factory-matched modular components intended to be assembled in the field; and (4) Engineered and field-constructed power systems that employ fuel cells.

Obtain an electronic copy from: www.nfpa.org/853next

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

BSR/NFPA 950-201x, Standard for Data Development and Exchange for the Fire Service (revision of ANSI/NFPA 950-2015)

This standard is designed to standardize data for operable information sharing in support of the all-hazards response. To describe a digital information structure and associated requirements and workflows common to fire and emergency services delivery and management for emergency response and administrative use.

Obtain an electronic copy from: www.nfpa.org/950next

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

BSR/NFPA 1021-201x, Standard for Fire Officer Professional Qualifications (revision of ANSI/NFPA 1021-2014)

This standard identifies the minimum job performance requirements (JPRs) for fire officer.

Obtain an electronic copy from: www.nfpa.org/1021next

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

BSR/NFPA 1201-201x, Standard for Providing Fire and Emergency Services to the Public (revision of ANSI/NFPA 1201-2015)

This standard contains requirements on the structure and operations of fire emergency service organizations (FESOs). Fire and emergency service organizations provide a myriad of services to the community. Public fire protection services can include, but are not limited to, fire suppression, fire prevention, public life safety education, emergency management, rescue, emergency medical service, hazardous materials response, response to other emergencies, and law enforcement (e.g., incident investigation, code application enforcement).

Obtain an electronic copy from: www.nfpa.org/1201next

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

BSR/NFPA 1250-201x, Recommended Practice in Fire and Emergency Service Organization Risk Management (revision of ANSI/NFPA 1250-2015)

This recommended practice establishes minimum criteria to develop, implement, or evaluate a fire and emergency service organization (FESO) risk management program for effective risk identification, control, and financing.

Obtain an electronic copy from: www.nfpa.org/1250next

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

BSR/NFPA 1405-201x, Guide for Land-Based Fire Departments that Respond to Marine Vessel Fires (revision of ANSI/NFPA 1405 -2016)

This guide identifies the elements of a comprehensive marine fire-fighting response program including, but not limited to, vessel familiarization, training considerations, pre-fire planning, and special hazards that enable land-based fire fighters to extinguish vessel fires safely and efficiently. In general, the practices recommended in this publication apply to vessels that call at United States ports or that are signatory to the Safety of Life at Sea (SOLAS) agreement.

Obtain an electronic copy from: www.nfpa.org/1405next

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

BSR/NFPA 1407-201x, Standard for Training Fire Service Rapid Intervention Crews (revision of ANSI/NFPA 1407-2015)

This standard specifies the basic training procedures for fire service personnel to conduct fire-fighter rapid intervention operations as specified in NFPA 1710, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments, and NFPA 1720, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments.

Obtain an electronic copy from: www.nfpa.org/1407next

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

BSR/NFPA 1408-201x, Standard for Training Fire Service Personnel in the Operation, Care, Use, and Maintenance of Thermal Imagers (revision of ANSI/NFPA 1408-2015)

This standard shall contain minimum requirements for training fire-service personnel to utilize fire-service thermal imagers (TI).

Obtain an electronic copy from: www.nfpa.org/1408next

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

BSR/NFPA 1410-201x, Standard on Training for Emergency Scene Operations (revision of ANSI/NFPA 1410-2015)

Standard contains the minimum requirements for evaluating training for initial fire suppression and rescue procedures used by fire department personnel engaged in emergency scene operations. It specifies basic evolutions that can be adapted to local conditions and serves as a standard mechanism for the evaluation of minimum acceptable performance during training for initial fire suppression and rescue activities.

Obtain an electronic copy from: www.nfpa.org/1410next

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

BSR/NFPA 1521-201x, Standard for Fire Department Safety Officer Professional Qualifications (revision of ANSI/NFPA 1521-2015)

This standard contains minimum requirements for the assignment, duties, and responsibilities of a health and safety officer (HSO) and an incident safety officer (ISO) for a fire department.

Obtain an electronic copy from: www.nfpa.org/1521next

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

BSR/NFPA 1561-201x, Standard on Emergency Services Incident Management System and Command Safety (revision of ANSI/NFPA 1561-2014)

This standard contains the minimum requirements for an incident management system to be used by emergency services to manage all emergency incidents.

Obtain an electronic copy from: www.nfpa.org/1561 next

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

BSR/NFPA 1616-201x, Standard on Mass Evacuation, Sheltering, and Re-entry Programs (revision of ANSI/NFPA 1616-2017)

This standard shall establish a common set of criteria for the process of organizing, planning, implementing, and evaluating a program for mass evacuation, sheltering, and re-entry.

Obtain an electronic copy from: www.nfpa.org/1616next

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

BSR/NFPA 1620-201x, Standard for Pre-Incident Planning (revision of ANSI/NFPA 1620-2015)

This document provides criteria for developing pre-incident plans for use by personnel responding to emergencies. Not every portion of this standard is applicable to the development of all pre-incident plans.

Obtain an electronic copy from: www.nfpa.org/1620next

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

BSR/NFPA 1931-201x, Standard for Manufacturers Design of Fire Department Ground Ladders (revision of ANSI/NFPA 1931-2015)

This standard specifies the requirements for the design of fire department ground ladders and for the design verification tests that are to be conducted by the ground ladder manufacturer.

Obtain an electronic copy from: www.nfpa.org/1931next

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

BSR/NFPA 1932-201x, Standard on Use, Maintenance, and Service Testing of In-Service Fire Department Ground Ladders (revision of ANSI/NFPA 1932-2015)

This standard specifies requirements for the use, maintenance, inspection, and service testing of fire-department ground ladders.

Obtain an electronic copy from: www.nfpa.org/1932next

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

BSR/NFPA 1951-201x, Standard on Protective Ensembles for Technical Rescue Incidents (revision of ANSI/NFPA 1951-2013)

This standard shall specify the minimum design, performance, testing, and certification requirements for utility technical rescue, rescue and recovery technical rescue, and chemicals, biological agents, and radiological particulate [also known as chemical, biological, radiological, and nuclear (CBRN)] technical rescue protective ensembles for use by emergency services personnel during technical rescue incidents.

Obtain an electronic copy from: www.nfpa.org/1951next

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

BSR/NFPA 2010-201x, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2015)

This standard contains the requirements for the design, installation, operation, testing, and maintenance of condensed and dispersed aerosol fire-extinguishing systems for total flooding applications.

Obtain an electronic copy from: www.nfpa.org/2010next

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 15-201x, Specification for Trunk, Feeder and Distribution Coaxial Cable (revision of ANSI/SCTE 15-2016)

This specification applies to material, electrical, and mechanical properties of 75-ohm coaxial cables as defined in this standard. Seventy-five-ohm coaxial cables are used to distribute radio frequency (R.F.), digital signals and power as applicable.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 545 om-201x, Cross-machine grammage profile measurement (gravimetric method) (new standard)

This method describes a procedure which can be applied to determine the variation in mass per unit area in the cross-machine direction, commonly referred to as the grammage (or basis weight) profile. This method is appropriate for the acceptance testing of both the papermaking process and the product. This method is laborious, but it is reliable and accurate. It requires simple, well-defined operations: cutting out samples, weighing samples, and data evaluation. The general procedures outlined in TAPPI T 410 “Grammage of Paper and Paperboard (Weight Per Unit Area)” and in TAPPI T 402 “Standard Conditioning and Testing Atmospheres for Paper, Board, Pulp Handsheets, and Related Products” are used as basic references for this method.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: standards@tappi.org

Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 102.AABA-C-201x, Project 25 - Trunking Overview (revision and redesignation of ANSI/TIA 102.AABA-B-2011)

This revision will provide updates to existing material.

Single copy price: $67.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

BSR/TIA 102.BAEB-C-201x, IP Data Bearer Service Specification (revision and redesignation of ANSI/TIA 102.BAEB-B-2014)

The IP Data Bearer Service specifies the following set of IP convergence protocols for the conveyance of IPv4 datagrams over the Common Air Interface (CAI): (a) Simple CAI Encapsulation Protocol (SCEP) and b) Subnetwork Dependent Convergence Protocol (SNDCP) versions 1 through 3.

Single copy price: $174.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

BSR/TIA 102.BAJB-B-201x, Tier 1 Location Services Specification (revision and redesignation of ANSI/TIA 102.BAJB-A-2014)

The Tier 1 Location Service provides a simple SU-to-SU interface for the Direct Data and Repeated Data configurations. This service utilizes a dedicated Service Access Point over the Common Air Interface to transport location information formatted as described in NMEA 0183, a commonly used location protocol. This service is appropriate for real-time field incident applications where the Location Service Host is resident on a portable device. It does not provide a mechanism to provide location information to a host device on a fixed network and does not support more advanced configuration of triggering and reporting.

Single copy price: $88.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

BSR/TIA 758-C-201x, Customer-Owned Outside-Plant Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 758-B-2012)

The purpose of this Standard is to enable the planning and installation of an outside plant structured cabling system infrastructure. This Standard establishes the recommendations and requirements used in the design of the telecommunication pathways and spaces, and the cabling installed between buildings or points in a customer-owned campus environment. Customer-owned campus facilities are typically termed "outside plant" (OSP). For the purpose of this Standard, they are termed “customer-owned OSP”.

Single copy price: $174.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 9540A-201x, Standard for Safety for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems (new standard)

This proposal for UL 9540A covers: (1) The proposed Standard for Safety for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems, UL 9540A, as a Joint National Standard for Canada and the United States.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 79-201x, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2016)

The following topics are being proposed: (1) Clarification; (2) Revision to methanol requirements; (3) Revision to thread requirements; (4) Hose nozzle requirement updates; (5) Additional motor options; (6) Pipe joint sealing revision; (7) Additional test fluid; (8) Input Test method clarification; (9) Correction to the Dielectric Voltage Withstand Test; and (10) Revision to the Rain Test.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 132-201x, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 132-2015)

The following is being proposed: Revision to the 10-Day Moist Ammonia Test.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 998-201X, Standard for Safety for Humidifiers (Proposal dated 8/9/19) (revision of ANSI/UL 998-201X)

(1) Revision to the scope of Smart Enabled Humidifiers; (2) Proposed Sixth Edition of UL 998.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 61010-031-201x, Standard for Safety for Electrical Equipment for Measurement, Control and Laboratory Use - Part 031: Safety Requirements for Hand-Held and Hand-Manipulated Probe Assemblies for Electrical Test and Measurement (revision of ANSI/UL 61010-031-2017)

This proposal for UL 61010-031 covers: (1) Revision to remove existing national deviation clause 8.4DV; (2) Revision to the national deviations in the Normative Reference; and (3) Adoption of IEC 61010-031 Edition 2.1 issued 2018-05 Amendment 1.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 120101-201x, Standard for Safety for Definitions and Information Pertaining to Electrical Equipment in Hazardous Locations (revision and redesignation of ANSI/ISA 12.01.01-2013)

This proposal provides revisions to the proposal document dated October 26, 2018 to the applicable requirements per comments received.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: October 15, 2019

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.8.1-2014 (R201x), Clevis Pins And Cotter Pins (Inch Series) (reaffirmation of ANSI/ASME B18.8.1-2014)

This Standard covers the complete dimensional and general data for clevis pins sizes 3/16 in. through 2 in. and cotter (split) pins sizes 1/32 in. through 3/4 in. of various materials.

Single copy price: $39.00

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

Order from: For Reaffirmations and Withdrawn standards please view our catalog at https://www.asme.org/shop/standards

Send comments (with optional copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

BSR/ASME B18.31.2-2014 (R201x), Continuous Thread Stud, Double-End Stud, and Flange Bolting Stud (Stud Bolt) (Inch Series) (reaffirmation of ANSI/ASME B18.31.2-2014)

This Standard covers the complete dimensional and general data for the following types of studs in inch dimensions:

(a) continuous thread studs;

(b) double-end studs; and

(c) flange bolting studs (stud bolts).

Single copy price: $32.00

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

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

Send comments (with optional copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

BSR/ASME B18.31.3-2014 (R201x), Threaded Rod (Inch Series) (reaffirmation of ANSI/ASME B18.31.3-2014)

This Standard covers the general and dimensional data for inch-series threaded rods.

Single copy price: $32.00

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

Order from: For Reaffirmations and Withdrawn standards please view our catalog at https://www.asme.org/shop/standards

Send comments (with optional copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

BSR/ASME POM 102-2014 (R201x), Operating Walkdowns of Power Plants (reaffirmation of ANSI/ASME POM 102-2014)

This Standard provides guidelines for walkdowns of power plants using fossil fuels during operating periods. This Standard provides guidelines for operating equipment walkdowns that are designed to ultimately improve the thermal performance and efficiency of the power plant.

Single copy price: $49.00

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

Order from: For Reaffirmations and Withdrawn standards please view our catalog at https://www.asme.org/shop/standards

Send comments (with optional copy to psa@ansi.org) to: Donnie Alonzo, (212) 591-7004, dalonzo@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B46.1-201x, Surface Texture, Surface Roughness, Waviness and Lay (revision of ANSI/ASME B46.1-2009)

This Standard is concerned with the geometric irregularities of surfaces. It defines surface texture and its constituents: roughness, waviness, and lay. It also defines parameters for specifying surface texture. The terms and ratings in this Standard relate to surfaces produced by such means as brading, casting, coating, cutting, etching, plastic deformation, sintering, wear, erosion, etc.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

SDI (ASC A250) (Steel Door Institute)

Revision

BSR A250.3-201x, Test Procedure and Acceptance Criteria for Factory-Applied Finish Coatings for Steel Doors and Frames (revision of ANSI A250.3-2007 (R2011))

These methods prescribe the procedures to be followed in the selection of material, chemical preparation, coating application, testing, and evaluation of factory-applied finish coatings for steel doors and frames. Coatings covered by this standard include paints, stains, clear coats, and powder coats.

Single copy price: $25.00

Obtain an electronic copy from: info@steeldoor.org

Order from: Linda Hamill, (440) 899-0010, leh@wherryassoc.com

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2808-201x, Standard for Safety for Energy Monitoring Equipment (new standard)

This proposal for UL 2808 covers: The proposed first edition of Standard for Safety for Energy Monitoring Equipment, ANSI/CAN/UL 2808, covers submetering equipment and open and enclosed type current sensors intended for factory or field installation within distribution and control equipment such as panelboards, switchboards, industrial control equipment, and energy monitoring/management equipment. Installation is in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code (CE Code), CSA C22.1. These requirements also cover "Service Entrance" enclosed-type current sensors intended for indoor and outdoor use.

Single copy price: Free

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

Order from: https://www.shopulstandards.com/

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 901 N. Glebe Road, Suite 300
Arlington, VA 22203
Contact: Colleen Elliott
Phone: (703) 253-8261
E-mail: celliott@aami.org

BSR/AAMI/ISO 10993-1-201x, Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process (identical national adoption of ISO 10993-1 and revision of ANSI/AAMI/ISO 10993-1-2009 (R2013))

BSR/AAMI/ISO 10993-11-201x, Biological evaluation of medical devices - Part 11: Tests for systemic toxicity (identical national adoption of ISO 10993-11 and revision of ANSI/AAMI/ISO 10993-11 -2006 (R2014))

BSR/AAMI/ISO 10993-16-201x, Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (identical national adoption of ISO 10993 -16:2017 and revision of ANSI/AAMI/ISO 10993-16-2010 (R2014))

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue, 15th Floor
New York, NY 10017-6603
Contact: Karen Bishop
Phone: (513) 600-2871
E-mail: Kbishop@Kellencompany.com

BSR/BHMA A156.21-201x, Standard for Thresholds (revision of ANSI/BHMA A156.21-2014)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202
Contact: Veronica Lancaster
Phone: (703) 907-7697
E-mail: vlancaster@cta.tech

BSR/CTA 885 S-2007 (S201x), Remote Starter Safety (stabilized maintenance of ANSI/CTA 885-2007 (R2013))

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Contact: David Richmond
Phone: (703) 841-3234
E-mail: David.Richmond@nema.org

BSR C136.34-201X, Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Contact: Monica Leslie
Phone: (734) 827-5643
E-mail: mleslie@nsf.org

BSR/NSF 62-201x (i37r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2018)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Contact: Teesha Jenkins
Phone: (703) 907-7706
E-mail: standards@tiaonline.org

BSR/TIA 102.AABA-C-201x, Project 25 - Trunking Overview (revision and redesignation of ANSI/TIA 102.AABA-B-2011)

BSR/TIA 102.BAJB-B-201x, Tier 1 Location Services Specification (revision and redesignation of ANSI/TIA 102.BAJB-A-2014)

BSR/TIA 102.BAEB-C-201x, IP Data Bearer Service Specification (revision and redesignation of ANSI/TIA 102.BAEB-B-2014)

BSR/TIA 758-C-201x, Customer-Owned Outside Plant Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 758-B-2012)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Contact: Wathma Jayathilake
Phone: (613) 368-4432
E-mail: Wathma.Jayathilake@ul.org

BSR/UL 1981-201X, Standard for Safety for Central-Station Automation Systems (revision of ANSI/UL 1981-2014a)

Call for Members (ANS Consensus Bodies)

GBI (Green Building Initiative)

Office: 7805 SW 40th Ave. #80010, Portland, OR 97219

Contact: Emily Marx, Manager of Standards and Program Support

Phone: 503.274.0448, x103

E-mail: marx@thegbi.org

ANSI GBI 01-2019, Green Globes Assessment Protocol for Commercial Buildings

GBI is reconstituting its Consensus Body for the new Continuous Maintenance process and invites members of the former Consensus Body to reapply and any additional interested parties to apply by August 26, 2019. GBI is looking for members in the following interest categories: Producer, Users and General Interest. For more information and to apply for a Consensus Body or Task Group, please use the appropriate form located at https://www.thegbi.org/ansi. You can send completed Consensus Body and/or Task Group applications to Emily Marx, Manager of Standards and Program Support, at marx@thegbi.org.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AIAA (American Institute of Aeronautics and Astronautics)

Reaffirmation

ANSI/AIAA G-034A-2014 (R2019), Guide to Reference and Standard Ionosphere Models (reaffirmation of ANSI/AIAA G-034A-2014): 8/9/2019

ANSI/AIAA S-017B-2015 (R2019), Aerodynamic Decelerator and Parachute Drawings (reaffirmation of ANSI/AIAA S-017B-2015): 8/9/2019

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 1-2000 (R2019), Conduct of Critical Experiments (reaffirmation of ANSI/ANS 1-2000 (R2012)): 8/12/2019

ANSI/ANS 14.1-2004 (R2019), Operation of Fast Pulse Reactors (reaffirmation of ANSI/ANS 14.1-2004 (R2014)): 8/12/2019

Revision

ANSI/ANS 58.8-2019, Time Response Criteria for Manual Actions at Nuclear Power Plants (revision of ANSI/ANS 58.8-1994 (R2017)): 8/8/2019

ASA (ASC S1) (Acoustical Society of America)

New National Adoption

ANSI/ASA S1.4-2014/Part 2/Amd.1-2019/IEC 61672-2-2013/Amd.1-2017, Amendment 1 - Electroacoustics - Sound Level Meters - Part 2: Pattern Evaluation Tests (identical national adoption of IEC 61672 -2:2013/Amd1:2017): 8/13/2019

Reaffirmation

ANSI/ASA S1.4-2014/Part 1/IEC 61672-1-2013 (R2019), Electroacoustics - Sound Level Meters - Part 1: Specifications (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4 -2014/Part 1/IEC 61672-1:2013): 8/13/2019

ANSI/ASA S1.4-2014/Part 2/IEC 61672-2-2013 (R2019), Electroacoustics - Sound Level Meters - Part 2: Pattern Evaluation Tests (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4-2014/Part 2/IEC 61672-2:2013): 8/13/2019

ANSI/ASA S1.4-2014/Part 3/IEC 61672-3-2013 (R2019), Electroacoustics - Sound Level Meters - Part 3: Periodic Tests (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4 -2014/Part 3/IEC 61672-3:2013): 8/13/2019

ANSI/ASA S1.11-2014/Part 1/IEC 61260-1-2014 (R2019), Electroacoustics - Octave-band and Fractional-octave band Filters - Part 1: Specifications (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.11-2014/Part 1/IEC 61260-1:2014): 8/9/2019

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE AD8759-3-2019, Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location (national adoption with modifications of ISO 8759-3:2018): 8/8/2019

ANSI/ASABE AD8759-4-2019, Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage (national adoption with modifications of ISO 8759-4:2018): 8/8/2019

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

ANSI X9.100-189-2019, Savings Bond Paying Agent Virtual Stamp (new standard): 8/8/2019

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME PTC 6S-1988 (R2019), Procedures for Routine Performance Tests of Steam Turbines (reaffirmation of ANSI/ASME PTC 6S-1988 (R2014)): 8/9/2019

Revision

ANSI/ASME AG-1-2019, Code on Nuclear Air and Gas Treatment (revision of ANSI/ASME AG-1-2017): 8/8/2019

ASTM (ASTM International)

Reaffirmation

ANSI/ASTM F1134-2015 (R2019), Specification for Insulation Resistance Monitor for Shipboard Electrical Motors and Generators (reaffirmation of ANSI/ASTM F1134-2015): 7/23/2019

ANSI/ASTM F1827-2013 (R2019), Terminology Relating to Food Service Equipment (reaffirmation of ANSI/ASTM F1827-2013): 7/23/2019

ANSI/ASTM F2087-2013 (R2019), Specification for Packing, Fiberglass, Braided, Rope, and Wick (reaffirmation of ANSI/ASTM F2087-2013): 7/23/2019

ANSI/ASTM F2687-2013 (R2019), Practice for Life Cycle Cost Analysis of Commercial Food Service Equipment (reaffirmation of ANSI/ASTM F2687 -2013): 7/23/2019

Revision

ANSI/ASTM D3241-2019, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2014): 8/1/2019

ANSI/ASTM D4865-2019, Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems (revision of ANSI/ASTM D4865-2009 (R2014)): 7/23/2019

ANSI/ASTM E84-2019, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2014): 7/23/2019

ANSI/ASTM E535-2019, Practice for Preparation of Fire-Test-Response Standards (revision of ANSI/ASTM E535-2014): 7/23/2019

ANSI/ASTM E648-2019, Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/ASTM E648-2017A): 7/23/2019

ANSI/ASTM E2058-2019, Test Methods for Measurement of Material Flammability Using a Fire Propagation Apparatus (FPA) (revision of ANSI/ASTM E2058-2013A): 7/23/2019

ANSI/ASTM E2307-2019, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2015): 7/23/2019

BHMA (Builders Hardware Manufacturers Association)

Revision

ANSI/BHMA A156.11-2019, Standard for Cabinet Locks (revision of ANSI/BHMA A156.11-2014): 8/6/2019

CSA (CSA America Standards Inc.)

Revision

ANSI Z21.63-2019, Portable type gas camp heaters (same as CSA 11.3) (revision of ANSI Z21.63-2014): 8/8/2019

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 INFOB, R2-2014 (R2019), HL7 Version 3 Standard: Context-Aware Retrieval Application (Infobutton); Knowledge Request, Release 2 (reaffirmation of ANSI/HL7 V3 INFOB, R2-2014): 8/12/2019

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

New Standard

ANSI N42.33-2019, Standard for Portable Gamma and Radiation Detection Instrumentation for Homeland Security (new standard): 8/9/2019

ANSI N42.60-2019, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard): 8/8/2019

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Revision

ANSI/ITSDF B56.5-2019, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles (revision of ANSI/ITSDF B56.5-2012): 8/6/2019

ANSI/ITSDF B56.11.6-2019, Evaluation of Visibility from Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.6-2005 (R2013)): 8/6/2019

ANSI/ITSDF B56.11.8-2019, Safety Standard for Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.8-2015): 8/6/2019

NEMA (ASC C136) (National Electrical Manufacturers Association)

New Standard

ANSI C136.58-2019, Luminaire Four-Pin Extension Module and Receptacle - Physical and Electrical Interchangeability and Testing (new standard): 8/9/2019

Reaffirmation

ANSI C136.12-2014 (R2019), Mercury Lamps - Guide for Selection (reaffirmation of ANSI C136.12-2014): 8/13/2019

Revision

ANSI C136.4-2019, Series Sockets and Series Socket Receptacles (revision of ANSI C136.4-2003 (R2013)): 8/13/2019

ANSI C136.16-2019, Roadway and Area Lighting Equipment - Post Top-Mounted Luminaires (revision of ANSI C136.16-2014): 8/8/2019

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

ANSI/ICEA S-58-679-2014 (R2019), Standard for Control, Instrumentation and Thermocouple Extension Conductor Identification (reaffirmation of ANSI/ICEA S-58-679-2014): 8/12/2019

NSF (NSF International)

Revision

ANSI/NSF 2-2019 (i35r1), Food Equipment (revision of ANSI/NSF 2-2018): 8/7/2019

ANSI/NSF 49-2019 (i122r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 8/12/2019

ANSI/NSF 49-2019 (i133r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 8/5/2019

ANSI/NSF 50-2019 (i150r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018): 7/16/2019

ANSI/NSF 50-2019 (i151r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017): 8/6/2019

ANSI/NSF 50-2019 (i156r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017): 8/8/2019

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 104-2019, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2018): 8/8/2019

ANSI/SCTE 164-2019, Emergency Alert Metadata Descriptor (revision of ANSI/SCTE 164-2010): 8/6/2019

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 12402-5-2019, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015): 8/9/2019

ANSI/UL 12402-5-2019a, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015): 8/9/2019

ANSI/UL 12402-5-2019b, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015): 8/9/2019

Reaffirmation

ANSI/UL 2333-2003 (R2019), Standard for Safety for Infrared Thermometers (reaffirmation of ANSI/UL 2333-2003 (R2014)): 8/7/2019

Revision

ANSI/UL 203A-2019, Standard for Sway Brace Devices for Sprinkler System Piping (revision of ANSI/UL 203A-2015): 8/8/2019

ANSI/UL 498-2019, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018): 8/9/2019

ANSI/UL 498-2019a, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018): 8/9/2019

ANSI/UL 2775-2019, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017a): 7/31/2019

Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Colleen Elliott, (703) 253-8261, celliott@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203

New National Adoption

BSR/AAMI/ISO 10993-1-201x, Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process (identical national adoption of ISO 10993-1 and revision of ANSI/AAMI/ISO 10993-1-2009 (R2013))

Stakeholders: Medical device manufacturers; toxicologists.

Project Need: Need to standardize requirements for biological evaluation and testing of medical devices within a risk management process.

This document specifies:
- the general principles governing the biological evaluation of medical devices within a risk management process;
- the general categorization of medical devices based on the nature and duration of their contact with the body;
- the evaluation of existing relevant data from all sources;
- the identification of gaps in the available data set on the basis of a risk analysis;
- the identification of additional data sets necessary to analyze the biological safety of the medical device; and
- the assessment of the biological safety of the medical device.

BSR/AAMI/ISO 10993-11-201x, Biological evaluation of medical devices - Part 11: Tests for systemic toxicity (identical national adoption of ISO 10993-11 and revision of ANSI/AAMI/ISO 10993-11-2006 (R2014))

Stakeholders: Medical device manufacturers; toxicologists.

Project Need: Need to standardize requirement for tests for systemic toxicity in biological evaluation of medical devices.

This document specifies requirements and gives guidance on procedures to be followed in the evaluation of the potential for medical device materials to cause adverse systemic reactions.

BSR/AAMI/ISO 10993-16-201x, Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (identical national adoption of ISO 10993-16:2017 and revision of ANSI/AAMI/ISO 10993-16-2010 (R2014))

Stakeholders: Medical device manufacturers; toxicologists.

Project Need: Need to standardize requirements for toxicokinetic study design for degradation products and leachables in biological evaluation of medical devices.

This document provides principles on designing and performing toxicokinetic studies relevant to medical devices. Annex A describes the considerations for inclusion of toxicokinetic studies in the biological evaluation of medical devices.

ASME (American Society of Mechanical Engineers)

Contact: Mayra Santiago, (212) 591-8521, ansibox@asme.org
Two Park Avenue, New York, NY 10016-5990

Revision

BSR/ASME MFC-1-201x, Glossary of Terms Used in the Measurement of Fluid Flow in Pipes (revision of ANSI/ASME MFC-1-2014)

Stakeholders: Engineers, operators, designers, distributors, general interest, laboratory owners, producers/manufacturers, regulatory/government, consultants, and users.

Project Need: This Standard is being revised to provide updates to the glossary and symbols based on the latest MFC Standards. Terms and definitions will be streamlined to better align with industry needs.

This Standard consists of a collection of definitions of those terms that pertain to the measurement of fluid flow in pipes. The definitions provided also give guidance for recommended usage in the application of flow measurement devices.

AWS (American Welding Society)

Contact: Jennifer Rosario, (800) 443-9353, jrosario@aws.org
8669 NW 36th Street, Suite #130, Miami, FL 33166-6672

Revision

BSR/AWS C2.16/C2.16M-201x, Guide for Thermal Spray Operator Qualification Programs (revision of ANSI/AWS C2.16/C2.16M -2017)

Stakeholders: Thermal spray companies, agencies, institutions, and operators.

Project Need: Need for guidance on developing thermal spray operator qualification programs.

This guide contains recommendations for establishing a thermal spray operator qualification program. Information related to training, knowledge and skill testing, and coating system inspection methods is provided. Example thermal spray operator qualification tests (TSOQT) parameters and forms are provided, to address common engineering and corrosion control applications using arc, flame, atmospheric plasma, and high velocity oxygen fuel (HVOF) spray processes.

HL7 (Health Level Seven)

Contact: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org
3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104

Revision

BSR/HL7 V3 DT, R3-201x, HL7 Version 3 Standard: Data Types - Abstract Specification, Release 3 (revision and redesignation of ANSI/HL7 V3 DT, R2-2012)

Stakeholders: SDOs.

Project Need: The terminology needs to be updated to be current.

Re-publish the Abstract Data Types R2 unchanged except for updating value sets to reflect current content as maintained in HL7 terminology source and replacing links to external terminologies with current references. We will conduct a limited scope normative ballot to do this. The result will be labeled R3.

NEMA (ASC C8) (National Electrical Manufacturers Association)

Contact: Gerard Winstanley, (703) 841-3231, gerard.winstanley@nema.org
1300 N. 17th Street, Suite 900, Rosslyn, VA 22209

Revision

BSR/NEMA HP 3-201x, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)

Stakeholders: Wire and cable manufacturers, defense industry, aerospace industry, other high-performance applications.

Project Need: To assure that these types of hook-up wires will meet requirements associated with high-reliability commercial electrical and electronic equipment.

This Standards Publication covers specific requirements for PTFE (polytetrafluoroethylene)-insulated solid and stranded wire, designed for the internal wiring of high-reliability electrical and electronic equipment. This Standards Publication addresses 250-volt (Type ET), 600-volt (Type E), and 1000-volt (Type EE) wire and permits continuous conductor temperature ratings of -65 C to +200 C with silver-coated conductors and -65 C to +260 C with nickel-coated conductors. These types of hook-up wire are used when the following properties are called for:
- High temperature resistance;
- Low temperature resistance;
- Low dielectric constant;
- Solder iron resistance;
- Resistance to cleaning solutions or a variety of chemicals that may come in contact with either the wire or the equipment; and
- Good flexibility and flex life when stranded conductors are used.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

Revision

BSR/SCTE 48-1-201x, Test Method for Measuring Shielding Effectiveness of Passive and Active Devices Using a GTEM Cell (revision of ANSI/SCTE 48-1-2015)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

The purpose of this test is to determine the shielding effectiveness against Electromagnetic Interference (EMI) of components. This method subjects the component to an electric field of known strength.

BSR/SCTE 161-201x, Drop Amplifiers (revision of ANSI/SCTE 161-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

The purpose of this specification is to recommend mechanical and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to amplify signals presented to an input port and deliver the amplified signals to one or more output ports.

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)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAFS
American Academy of Forensic Sciences

410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036

Web: www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation

901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8261

Web: www.aami.org

AIAA
American Institute of Aeronautics and Astronautics

12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807
Phone: (703) 264-7546

Web: www.aiaa.org

ANS
American Nuclear Society

555 North Kensington Avenue
La Grange Park, IL 60526-5592
Phone: (708) 579-8269

Web: www.ans.org

APCO
Association of Public-Safety Communications Officials-International

351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153

Web: www.apcoIntl.org

API
American Petroleum Institute

1220 L Street, NW
Washington, DC 20005
Phone: (202) 682-8130

Web: www.api.org

ASA (ASC S1)
Acoustical Society of America

1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215

Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers

2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015

Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated

275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707

Web: www.x9.org

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

1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1214

Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521

Web: www.asme.org

ASPE
American Society of Plumbing Engineers

6400 Shafer Court
Suite 350
Rosemont, IL 60018
Phone: (847) 296-0002

Web: www.aspe.org

ASTM
ASTM International

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744

Web: www.astm.org

AWS
American Welding Society

8669 NW 36th Street
Suite #130
Miami, FL 33166-6672
Phone: (800) 443-9353

Web: www.aws.org

BHMA
Builders Hardware Manufacturers Association

355 Lexington Avenue, 15th Floor
New York, NY 10017-6603
Phone: (513) 600-2871

Web: www.buildershardware.com

CSA
CSA America Standards Inc.

8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990

Web: www.csagroup.org

CTA
Consumer Technology Association

1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697

Web: www.cta.tech

HL7
Health Level Seven

3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777

Web: www.hl7.org

ICC
International Code Council

4051 Flossmoor Road
Country Club Hills, IL 60478
Phone: (888) 422-7233

Web: www.iccsafe.org

IEEE (ASC C63)
Institute of Electrical and Electronics Engineers

445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3874

Web: standards.ieee.org

ISA (Organization)
International Society of Automation

67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228

Web: www.isa.org

ISEA
International Safety Equipment Association

1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695

Web: www.safetyequipment.org

ITSDF
Industrial Truck Standards Development Foundation, Inc.

1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880

Web: www.indtrk.org

MHI (ASC MHC)
Material Handling Industry

8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
Phone: (704) 714-8755

Web: www.mhi.org

NEMA (ASC C136)
National Electrical Manufacturers Association

1300 North 17th Street
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Rosslyn, VA 22209
Phone: (703) 841-3234

Web: www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association

1300 N. 17th Street, Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231

Web: www.nema.org

NFPA
National Fire Protection Association

One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246

Web: www.nfpa.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643

Web: www.nsf.org

SCTE
Society of Cable Telecommunications Engineers

140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040

Web: www.scte.org

SDI (ASC A250)
Steel Door Institute

30200 Detroit Road
Westlake, OH 44145
Phone: (440) 899-0010

Web: www.wherryassocsteeldoor.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7278

Web: www.tappi.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706

Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-1292

Web: 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); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

Ordering Instructions

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

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 3381, Railway applications - Acoustics - Measurement of noise inside railbound vehicles - 11/3/2003, $112.00

BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGIES (TC 307)

ISO/DIS 22739, Blockchain and distributed ledger technologies - Terminology - 10/28/2019, $58.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19168-1, Geographic information - Geospatial API for features - Part 1: Core - 10/31/2019, $134.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 18063-2, Rough-terrain trucks - Visibility test methods and their verification - Part 2: Slewing trucks - 10/31/2019, $93.00

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

ISO/DIS 19905-3, Petroleum and natural gas industries - Site-specific assessment of mobile offshore units - Part 3: Floating units - 10/31/2019, $82.00

MINING (TC 82)

ISO/DIS 20305, Mine closure and reclamation - Terminology - 11/2/2019, $53.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 10934, Microscopes - Vocabulary for light microscopy - 11/2/2019, $134.00

ISO/DIS 8600-6, Endoscopes - Medical endoscopes and endotherapy devices - Part 6: Vocabulary - 10/31/2019, $102.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 22553-7, Paints and varnishes - Electro-deposition coatings - Part 7: Electrical wet-film resistance - 11/1/2019, $58.00

ISO/DIS 22553-8, Paints and varnishes - Electro-deposition coatings - Part 8: Electric charge density - 11/1/2019, $53.00

ISO/DIS 22553-9, Paints and varnishes - Electro-deposition coatings - Part 9: Stoving loss - 11/1/2019, $46.00

ISO/DIS 22553-11, Paints and varnishes - Electro-deposition coatings - Part 11: Bath stability - 11/1/2019, $33.00

ISO/DIS 22553-12, Paints and varnishes - Electro-deposition coatings - Part 12: Sedimentation on horizontal areas - 11/1/2019, $40.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 2137, Petroleum products and lubricants - Determination of cone penetration of lubricating greases and petrolatum - 11/10/2015, $82.00

PHOTOGRAPHY (TC 42)

ISO/DIS 12231, Photography - Electronic still picture imaging - Supplemental vocabulary - 11/1/2019, $58.00

REFRIGERATION (TC 86)

ISO 817/DAmd2, Refrigerants - Designation and safety classification - Amendment 2 - 11/2/2019, $40.00

ROAD VEHICLES (TC 22)

ISO 18243/DAmd1, Refrigerants - Designation and safety classification - Amendment 1 - 11/2/2019, $29.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37165, Smart community infrastructures - Guidance on smart transportation by non-cash payment for fare/fees in transportation and its related or additional services - 10/26/2019, $46.00

TEXTILES (TC 38)

ISO/DIS 22744-2, Textiles and textile products - Determination of organotin compounds - Part 2: Direct method using liquid chromatography - 10/26/2019, $58.00

THERMAL INSULATION (TC 163)

ISO/DIS 21239, Thermal insulation products for building - Reflective insulating products - Specification - 10/28/2019, $77.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 20830, Information technology - Automatic identification and data capture techniques - Han Xin Code bar code symbology specification - 10/31/2019, $215.00

ISO/IEC DIS 23090-8, Information technology - Coded representation of immersive media - Part 8: Network based media processing - 11/1/2019, $175.00

IEC Standards

8A/57/CD, IEC 62934 ED1: Grid integration of renewable energy generation - Terms, definitions and symbols, 2019/10/4

8A/56/CD, IEC TS 63102 ED1: Grid code compliance assessment methods for grid connection of wind and PV power plants, 2019/10/4

9/2538/FDIS, IEC 60077-4 ED2: Railway applications - Electric equipment for rolling stock - Part 4: Electrotechnical components - Rules for AC circuit-breakers, 2019/9/20

9/2537/FDIS, IEC 60077-3 ED2: Railway applications - Electric equipment for rolling stock - Part 3: Electrotechnical components - Rules for DC circuit-breakers, 2019/9/20

9/2539/FDIS, IEC 60077-5 ED2: Railway applications - Electric equipment for rolling stock - Part 5: Electrotechnical components - Rules for HV fuses, 2019/9/20

10/1085/CD, IEC 60867 ED3: Insulating liquids - Specifications for unused liquids based on synthetic aromatic hydrocarbons, 2019/11/1

17A/1242/CD, IEC 62271-101 ED3: High-voltage switchgear and controlgear - Part 101: Synthetic testing, 2019/11/1

22F/547/CD, IEC TS 63259 ED1: Water cooling system for power electronics used in electrical transmission and distribution systems, 2019/10/4

22G/396/CDV, IEC 61800-1 ED2: Adjustable speed electrical power drive systems - Part 1: General requirements - Rating specifications for low voltage adjustable speed DC power drive systems, 2019/11/1

23H/456/CDV, IEC 60309-1 ED5: Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 1: General requirements, 2019/11/1

23H/457/CDV, IEC 60309-2 ED5: Plugs, fixed or portable socket-outlets and appliance inelts for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories, 2019/11/1

23H/458/CDV, IEC 60309-4 ED2: Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 4: Switched socket-outlets and connectors, with or without interlock, 2019/11/1

23H/459/CDV, IEC 61316 ED3: Industrial cable reels, 2019/11/1

34A/2140/CDV, IEC 62868-2-2 ED1: Organic Light Emitting Diode (OLED) light sources for general lighting - Safety - Part 2-2: Particular requirements for integrated OLED modules, 2019/11/1

45A/1280/CDV, IEC 63046 ED1: Nuclear power plants - Electrical power system - General requirements, 2019/11/1

47F/342/NP, PNW 47F-342: Semiconductor devices - Micro-electromechanical devices - Part 41: RF MEMS Circulator and Isolator, 2019/10/4

51/1299/CDV, IEC 63093-2 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications, 2019/11/1

51/1300/CDV, IEC 63093-3 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 3: Half pot-cores made of ferrite for inductive proximity switches, 2019/11/1

55/1801/FDIS, IEC 60317-27-3 ED1: Specifications for particular types of winding wires - Part 27-3: Paper tape covered rectangular copper wire, 2019/9/20

57/2129/DTR, IEC TR 61850-90-11 ED1: Communication networks and systems for power utility automation - Part 90-11: Methodologies for modelling of logics for IEC 61850 based applications, 2019/10/4

77B/812/CD, IEC 61000-4-6 ED5: Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields, 2019/10/4

86B/4228/FDIS, IEC 61756-1 ED2: Fibre optic interconnecting devices and passive components - Interface standard for fibre management systems - Part 1: General and guidance, 2019/9/20

86B/4229/NP, PNW 86B-4229: Fibre optic interconnecting devices and passive components,

104/844/CDV, IEC 60068-3-7 ED2: Environmental testing - Part 3-7: Supporting documentation and guidance - Measurements in temperature chambers for tests A and B (with load), 2019/11/1

110/1136/CD, IEC 62977-3-9 ED1: Electronic displays - Part 3-9: Evaluation of optical performances - Measurements of display sparkle contrast, 2019/10/4

111/535/CDV, IEC 62321-9 ED1: Determination of certain substances in electrotechnical products - Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS), 2019/11/1

111/544/CD, IEC 62321-3-4 ED1: Determination of certain substances in electrotechnical products - Part 3-4: Screening of Phthalates in polymers of electrotechnical products by Fourier transform infrared spectroscopy (FT-IR), high performance liquid chromatography with ultraviolet detector (HPLC-UV) and thermal desorption mass spectrometry (TD-MS), 2019/10/4

111/543/CD, IEC 62321-12 ED1: Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry, 2019/10/4

119/280/CD, IEC 62899-503-3 ED1: Printed electronics - Part 503-3: Quality assessment - Measuring method of contact resistance for the printed thin film transistor by transfer length method, 2019/10/4

Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers)..

ISO Standards

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 22514-5:2019, Statistical methods in process management - Capability and performance - Part 5: Process capability estimates and performance for attributive characteristics, $68.00

ISO 22514-5:2019, Statistical methods in process management - Capability and performance - Part 5: Process capability estimates and performance for attributive characteristics, $68.00

BIOTECHNOLOGY (TC 276)

ISO 20395:2019, Biotechnology - Requirements for evaluating the performance of quantification methods for nucleic acid target sequences - qPCR and dPCR, $185.00

ISO 20395:2019, Biotechnology - Requirements for evaluating the performance of quantification methods for nucleic acid target sequences - qPCR and dPCR, $185.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO 19444-1:2019, Document management - XML Forms Data Format - Part 1: Use of ISO 32000-2 (XFDF 3.0), $232.00

ISO 19444-1:2019, Document management - XML Forms Data Format - Part 1: Use of ISO 32000-2 (XFDF 3.0), $232.00

FIRE SAFETY (TC 92)

ISO 5660-1/Amd1:2019, Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) - Amendment 1, $19.00

ISO 5660-1/Amd1:2019, - Amendment 1, $19.00

IRON ORES (TC 102)

ISO 3085:2019, Iron ores - Experimental methods for checking the precision of sampling, sample preparation and measurement, $103.00

ISO 3085:2019, Iron ores - Experimental methods for checking the precision of sampling, sample preparation and measurement, $103.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO 20069:2019, Guidance for assessment and evaluation of changes to drug delivery systems, $185.00

ISO 20069:2019, Guidance for assessment and evaluation of changes to drug delivery systems, $185.00

PAINTS AND VARNISHES (TC 35)

ISO 17872:2019, Paints and varnishes - Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing, $138.00

ISO 17872:2019, Paints and varnishes - Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing, $138.00

ISO 3233-2:2019, Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle, $68.00

ISO 3233-2:2019, Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle, $68.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 20846:2019, Petroleum products - Determination of sulfur content of automotive fuels - Ultraviolet fluorescence method, $103.00

ISO 20846:2019, Petroleum products - Determination of sulfur content of automotive fuels - Ultraviolet fluorescence method, $103.00

ISO 20884:2019, Petroleum products - Determination of sulfur content of automotive fuels - Wavelength-dispersive X-ray fluorescence spectrometry, $68.00

ISO 20884:2019, Petroleum products - Determination of sulfur content of automotive fuels - Wavelength-dispersive X-ray fluorescence spectrometry, $68.00

PLASTICS (TC 61)

ISO 21194:2019, Elastic adhesives - Testing of adhesively bonded joints - Bead peel test, $68.00

ISO 21194:2019, Elastic adhesives - Testing of adhesively bonded joints - Bead peel test, $68.00

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

ISO 4427-1:2019, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General, $103.00

ISO 4427-1:2019, Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General, $103.00

ISO 4427-2:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes, $138.00

ISO 4427-2:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes, $138.00

ISO 4427-3:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings, $162.00

ISO 4427-3:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings, $162.00

ISO 4427-5:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system, $68.00

ISO 4427-5:2019, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system, $68.00

ROAD VEHICLES (TC 22)

ISO 19072-4:2019, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 4: Pyrotechnic device and harness connector assembly - type 2, $68.00

ISO 19072-4:2019, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 4: Pyrotechnic device and harness connector assembly - type 2, $68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 6218:2019, Inland navigation vessels - Manually- and power-operated coupling devices for rope connections of pushing units and coupled vessels - Safety requirements and main dimensions, $103.00

ISO 6218:2019, Inland navigation vessels - Manually- and power-operated coupling devices for rope connections of pushing units and coupled vessels - Safety requirements and main dimensions, $103.00

ISO 13617:2019, Ships and marine technology - Shipboard incinerators - Requirements, $138.00

ISO 13617:2019, Ships and marine technology - Shipboard incinerators - Requirements, $138.00

ISO 19898:2019, Ships and marine technology - Life-saving appliances and arrangements - Means of recovery of persons, $103.00

ISO 19898:2019, Ships and marine technology - Life-saving appliances and arrangements - Means of recovery of persons, $103.00

ISO 21173:2019, Submersibles - Hydrostatic pressure test - Pressure hull and buoyancy materials, $68.00

ISO 21173:2019, Submersibles - Hydrostatic pressure test - Pressure hull and buoyancy materials, $68.00

ISO 21792:2019, Ships and marine technology - Navigation and ship operations - Guidelines for onboard telephone equipment, $103.00

ISO 21792:2019, Ships and marine technology - Navigation and ship operations - Guidelines for onboard telephone equipment, $103.00

ISO 20233-2:2019, Ships and marine technology - Model test method for propeller cavitation noise evaluation in ship design - Part 2: Noise source localization, $68.00

ISO 20233-2:2019, Ships and marine technology - Model test method for propeller cavitation noise evaluation in ship design - Part 2: Noise source localization, $68.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 20714:2019, E-liquid - Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices - Gas chromatographic method, $68.00

ISO 20714:2019, E-liquid - Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices - Gas chromatographic method, $68.00

TOURISM AND RELATED SERVICES (TC 228)

ISO 21416:2019, Recreational diving services - Requirements and guidance on environmentally sustainable practices in recreational diving, $68.00

ISO 21416:2019, Recreational diving services - Requirements and guidance on environmentally sustainable practices in recreational diving, $68.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 17515-3:2019, Intelligent transport systems - Evolved-universal terrestrial radio access network - Part 3: LTE-V2X, $162.00

ISO 17515-3:2019, Intelligent transport systems - Evolved-universal terrestrial radio access network - Part 3: LTE-V2X, $162.00

TYRES, RIMS AND VALVES (TC 31)

ISO 20909:2019, Radio frequency identification (RFID) tyre tags, $68.00

ISO 20909:2019, Radio frequency identification (RFID) tyre tags, $68.00

ISO 20910:2019, Coding for radio frequency identification (RFID) tyre tags, $68.00

ISO 20910:2019, Coding for radio frequency identification (RFID) tyre tags, $68.00

VALVES (TC 153)

ISO 5209:2019, General purpose industrial valves - Marking, $45.00

ISO 5209:2019, General purpose industrial valves - Marking, $45.00

ISO Technical Reports

FLUID POWER SYSTEMS (TC 131)

ISO/TR 10946:2019, Hydraulic fluid power - Gas-loaded accumulators with separator - Selection of preferred hydraulic ports, $68.00

ISO/TR 10946:2019, Hydraulic fluid power - Gas-loaded accumulators with separator - Selection of preferred hydraulic ports, $68.00

ISO Technical Specifications

PHOTOGRAPHY (TC 42)

ISO/TS 21139-1:2019, Permanence and durability of commercial prints - Part 1: Definition of use profiles and guiding principles for specifications, $209.00

ISO/TS 21139-1:2019, Permanence and durability of commercial prints - Part 1: Definition of use profiles and guiding principles for specifications, $209.00

SOIL QUALITY (TC 190)

ISO/TS 22939:2019, Soil quality - Measurement of enzyme activity patterns in soil samples using fluorogenic substrates in micro-well plates, $103.00

ISO/TS 22939:2019, Soil quality - Measurement of enzyme activity patterns in soil samples using fluorogenic substrates in micro-well plates, $103.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/TS 25138:2019, Surface chemical analysis - Analysis of metal oxide films by glow-discharge optical-emission spectrometry, $185.00

ISO/TS 25138:2019, Surface chemical analysis - Analysis of metal oxide films by glow-discharge optical-emission spectrometry, $185.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21177:2019, Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices, $232.00

ISO/TS 21177:2019, Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices, $232.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27701:2019, Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines, $209.00

ISO/IEC 27701:2019, Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines, $209.00

ISO/IEC 15961-2:2019, Information technology - Data protocol for radio frequency identification (RFID) for item management - Part 2: Registration of RFID data constructs, $68.00

ISO/IEC 15961-2:2019, Information technology - Data protocol for radio frequency identification (RFID) for item management - Part 2: Registration of RFID data constructs, $68.00

ISO/IEC 23005-3:2019, Information technology - Media context and control - Part 3: Sensory information, $232.00

ISO/IEC 23005-3:2019, Information technology - Media context and control - Part 3: Sensory information, $232.00

ISO/IEC 24770-5:2019, Information technology - Real-time locating system (RTLS) device performance test methods - Part 5: Test methods for chirp spread spectrum (CSS) air interface, $68.00

ISO/IEC 24770-5:2019, Information technology -Real-time locating system (RTLS) device performance test methods - Part 5: Test methods for chirp spread spectrum (CSS) air interface, $68.00

IEC Standards

INSULATING MATERIALS (TC 15)

IEC 60684-3-214 Ed. 4.0 b:2019, Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, thick and medium wall, $82.00

IEC 60684-3-216 Ed. 2.0 b:2019, Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 216: Heat-shrinkable, flame- retarded, limited-fire-hazard sleeving, $82.00

IEC 60684-3-247 Ed. 2.0 b:2019, Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 247: Heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall, $82.00

S+ IEC 60684-3-214 Ed. 4.0 en:2019 (Redline version), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, thick and medium wall, $107.00

S+ IEC 60684-3-216 Ed. 2.0 en:2019 (Redline version), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 216: Heat-shrinkable, flame- retarded, limited-fire-hazard sleeving, $107.00

S+ IEC 60684-3-247 Ed. 2.0 en:2019 (Redline version), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 247: Heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall, $107.00

SYSTEM ENGINEERING AND ERECTION OF ELECTRICAL POWER INSTALLATIONS IN SYSTEMS WITH NOMINAL VOLTAGES ABOVE 1 KV A.C., PARTICULARLY CONSIDERING SAFETY ASPECTS (TC 99)

IEC 60071-SER Ed. 1.0 b:2019, Insulation co-ordination - ALL PARTS, $1365.00

IEC 60071-1 Ed. 9.0 b:2019, Insulation co-ordination - Part 1: Definitions, principles and rules, $235.00

S+ IEC 60071-1 Ed. 9.0 en:2019 (Redline version), Insulation co-ordination - Part 1: Definitions, principles and rules, $305.00

WINDING WIRES (TC 55)

IEC 60317-2 Ed. 5.0 b:2019, Specifications for particular types of winding wires - Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer, $82.00

S+ IEC 60317-2 Ed. 5.0 en:2019 (Redline version), Specifications for particular types of winding wires - Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer, $107.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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 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 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 a materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Reaccreditation

American Institute of Aeronautics and Astronautics (AIAA)

Comment Deadline: September 16, 2019

The American Institute of Aeronautics and Astronautics (AIAA), an ANSI member and Accredited Standards Developer (ASD), has submitted revisions to its currently accredited operating procedures for documenting consensus on AIAA-sponsored American National Standards, under which it was last reaccredited in 2016. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Hillary Woehrle, Manager, Standards, American Institute of Aeronautics and Astronautics, 12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807; phone: 800.639.2422; e-mail: HillaryW@aiaa.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to AIAA by September 16, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: Jthompso@ANSI.org).

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Machinery to be Used with Foodstuffs

Comment Deadline: September 6, 2019

DIN, the ISO member body for Germany, has submitted to ISO a proposal for a new field of ISO technical activity on Machinery for use with foodstuffs, with the following scope statement:

> Standardization of individual machine types and their accessories used in the foodstuffs supply chain, as well as processing systems and complete production lines consisting of these machines.
>
> All these machines process various raw materials and ingredients into intermediate food products and/or ready-to-eat food.
>
> The standards to be created in this TC deal with specific and typical aspects of machines used in the food industry. These aspects include – but are not limited to – health and safety at work for operators (safety of food machinery) and consumer health and safety (food safety). Standards of this TC also focus on hygienic design principles.
>
> Excluded are the fields covered by ISO/TC 23 (Tractors and machinery for agriculture and forestry), ISO/TC 283 (Occupational health and safety management) and ISO/TC 293 (Feed machinery).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, September 6, 2019.

Natural and Engineered Stones

Comment Deadline: August 30, 2019

UNI, the ISO member body for Italy, has submitted to ISO a proposal for a new field of ISO technical activity standard on natural and engineered stones, with the following scope statement:

Definitions, requirements and test methods for natural stones relating to rough blocks, slabs, semi-finished and finished products intended for use in building and for monuments and for engineered stones with resin or cement binders or a combination of the two, intended for use in countertops and vanities, floor and wall coverings, ancillary uses, for interior and exterior.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 30, 2019.

International Electrotechnical Commission (IEC)

USNC Participants and TAG Administrators Needed

IEC Approves one (1) new Committee:

1) IEC/PC 127: Low-voltage auxiliary power systems for electric power plants and substations

Scope:

Standardization in the fields of low-voltage auxiliary power systems for electric power plants and substations, including:

- system design;
- installation and acceptance;
- commissioning;
- operation and maintenance;
- safety and reliability;

and excluding: NUCLEAR POWER, RAILWAYS AND SHIPPING.

The US National Committee agrees with the scope for the one (1) new IEC Committee and wishes to register as a Participating Member.

If the USNC is to become a P-Member, a Technical Advisory Group (TAG) will need to be established and a TAG Administrator will need to be assigned. If any organizations are interested in the position of TAG Administrator, or if any individuals would like to join this TAG, they are invited to contact Ade Gladstein, USNC Program Manager, as soon as possible using the contact information provided below.

Ade Gladstein
Phone: 212 642 4965
E-Mail: agladstein@ansi.org

Meeting Notices

Meeting for Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: Monday, September 23, 2019- 8:00 AM – 4:00 PM CST

Meeting Location: Peppermill Reno, 2707 S. Virginia St., Reno, Nevada 89502--(Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards.

Please register on line at www.aga.org. For more information, contact Jeff Meyers, jmeyers@aga.org.

Proposed Revision to Operating Procedures of Certain ANSI Groups, Committees and Forums

The Operating Procedures listed and embedded below have been revised to incorporate and reflect the 2020 edition of ANSI's By-Laws that were approved by the ANSI Board of Directors on June 5, 2019 and will be implemented as of January 1, 2020:

Policy Advisory Groups:

- Intellectual Property Rights Policy Advisory Group (IPRPAG)
- International Policy Advisory Group (IPAG)
- National Policy Advisory Group (NPAG)

International Liaison Committees:

- United States National Committee of the IEC (USNC) Council
- ANSI ISO Council (AIC)

Forums:

- Company Member Forum (CMF)
- Consumer Interest Forum (CIF)
- Government Member Forum (GMF)
- Organizational Member Forum (OMF)

Public comments may be submitted on these proposed Operating Procedures to ekonstantopoulos@ansi.org by September 13, 2019 for consideration by the Executive Committee (ExCo) during its November 20, 2019 meeting.

Public Comments are due to ekonstantopoulos@ansi.org by September 13, 2019.

INCITS Technical Committee on Governance of IT Seeks Subject Matter Experts

INCITS/GIT1, Governance of IT, is looking to broaden its membership of subject matter experts, senior practitioners and those that are generally concerned about governance and business process outsourcing (BPO). JTC 1/SC 40 is the international subcommittee on IT Service Management and IT Governance, and INCITS/GIT1 is the voice of the US community in that standards committee. JTC 1/SC 40 also maintains a portfolio of standards supporting the relationship of ISO standards to other management models, such as ITIL®, CMMI®, and COBIT®.

For CIOs, collaborating with INCITS/GIT1 and ISO provides reflections and insights into real-world standards business drivers which may affect their organizations.

For senior service managers and experts, participating in INCITS/GIT1 is a unique opportunity to work with deeply experienced peers and to expand a national and international network.

Members of this group have a unique opportunity to make their voices heard on governance and service management standards and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for leadership roles; the US contributed two editors to SC 40 international standards and the Chair of INCITS/GIT1 is the leader of the working group developing ISO/IEC 20000.

Members participate in three to four virtual meetings per year and are encouraged to contribute comments and reviews of standards. All members are also eligible to attend national and international meetings in person. To learn more about membership in INCITS/GIT1. Visit http://www.incits.org/participation/membership-info or contact Lynn Barra at Lbarra@itic.org

INCITS Technical Committee on Internet of Things and Related Technologies Seeks Subject Matter Experts

INCITS/IoT, the US Technical Committee for ISO/IEC JTC 1/SC 41 on the Internet of Things and Related Technologies, represents US interests in the development of international standards. The committee is actively working on foundational standards, interoperability, and use cases for the Internet of Things and related technologies that include applications in: industrial IoT, wearables, Smart Cities, utilities & Smart Grid, agriculture, societal and human factors in IoT based services, Integration of IoT and blockchain, Swarm intelligence for IoT, etc.

One of the key activities has been the development of a "Reference Architecture" that will allow developers and users to have a comprehensive view on the Internet of Things (IoT) to deploy or use IoT and related technologies. The development of interoperability standards and use cases will further enable effective IoT implementations.

Members of this group have a unique opportunity to make their voices heard on the development of standards and use cases on IoT and the related technologies and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for international leadership roles. For example, one of the US experts chairs the international Work Group responsible for Foundational Standards, the key for effective IoT implementation.

Members participate in three to four virtual meetings per year and one to two face-to-face meetings per year and are encouraged to contribute comments and reviews of standards. All members are also eligible to attend national and international meetings in person. To learn more about membership in INCITS/IoT, visit http://www.incits.org/participation/membership-info or contact Lynn Barra at Lbarra@itic.org .

American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More…

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

- *ANSI Essential Requirements: Due process requirements for American National Standards* (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org .

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

BSR/ASHRAE/ASHE Addendum c
to ANSI/ASHRAE/ASHE Standard 170-2017

Public Review Draft

Proposed Addendum c to Standard 170-2017, Ventilation of Health Care Facilities

Second Public Review (July 2019)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposed addenda provides guidance to users of Standard 170 on how to incorporate air classifications into their design of Standard 170 spaces if they are required to utilize them in conjunction with ASHRAE Standard 62.1.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.]

Addendum c to 170-2017

Add new Informative Appendix B – Air Classifications. Re-letter current appendices accordingly.

(This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Informative Appendix B
Air Classifications

ASHRAE Standard 62.1 categorizes spaces into air classifications and prevents the recirculation and transfer of air under many conditions from spaces with higher air classifications to spaces with lower air classifications based on Section 5.16 of ASHRAE Standard 62.1. This appendix includes guidelines on how to apply air classifications to ASHRAE/ASHE Standard 170 spaces.

1) Air classifications should be applied as indicated below and in accordance with ASHRAE Standard 62.1[1] Section 5.16.
2) Recirculation allowances by room units shall be in accordance with the room recirculation requirements of Tables 7.1, 8.1, and 9.1.and ASHRAE 62.1 Section 5.16. *Informative note: This should not be construed to prevent room recirculation of air within the same space when permitted by ASHRAE/ASHE 170 but prevented by ASHRAE 62.1 air classifications.*
3) Energy recovery devices serving Standard 170 spaces should meet the requirements of Section 6.8 of Standard 170.
4) Spaces in Tables 7.1, 8.1, and 9.1 requiring 100% exhaust air should be class 3 air.
    1) Exception: Spaces listed in Section 6.3.2.1 should be class 4 air.

2) Exception: For spaces with class 3 and 4 air, room recirculation should be as permitted by HEPA filtration when indicated in Tables 7.1, 8.1, and 9.1 and associated notes.

5) Spaces requiring negative pressure but not 100% exhaust air should be class 2 air. The following list of spaces should also be considered class 2 air:
    1) Resident gathering/activity/dining (mild odor contaminants)
    2) Resident room in skilled nursing facilities (mild odor contaminants)
    3) Resident unit corridor in skilled nursing facilities (mild odor contaminants)
    4) Laboratory work area, media transfer (mild odor contaminants)
    5) Special examination room (biological concerns)
    6) Pharmacy (mild odor contaminants)
6) All other spaces should be class 1 air.
7) Variability of contaminants by space usage is expected. When additional contaminants will occur in a space than may typically be expected designers should designate a higher air classification for that space if appropriate. Designers should not designate a lower air classification for a space than is indicated.

BSR/ASHRAE/ASHE Addendum h
to ANSI/ASHRAE/ASHE Standard 170-2017

Public Review Draft

Proposed Addendum h to Standard 170-2017, Ventilation of Health Care Facilities

First Public Review (July 2019)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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FOREWORD

This proposed addenda provides guidance to users of Standard 170 for considerations related to thermal comfort, with acknowledgement and limitations of the role of ASHRAE Standard 55 requirements and how to incorporate thermal comfort requirements into their design of Standard 170 spaces.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum h to 170-2017

Add new Informative Appendix B – Air Classifications. Re-letter current appendices accordingly.

(This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Informative Appendix B
Air Classification

Thermal Comfort

1. Section 2.7 was added to the Scope of Standard 170 to better communicate that compliance with Standard 170 does not assure compliance with ASHRAE Standard 55.
2. Standard 55 specifies the combination of environmental factors (temperature, thermal radiation, humidity, air speed) and personal factors (activity level and clothing) that will produce thermal conditions acceptable to the majority of healthy occupants. However, there are scenarios and spaces within health care facilities where Standard 55 does not apply or where deviations from Standard 55 are required.
3. Standard 170 provides HVAC design temperature and humidity ranges that while potentially affecting occupant comfort, are also provided in support of therapeutic patient outcomes, aseptic practices, and worker protection.

BSR/ASHRAE/ASHE Addendum p
to ANSI/ASHRAE/ASHE Standard 170-2017

Public Review Draft

Proposed Addendum p to Standard 170-2017, Ventilation of Health Care Facilities

Third Public Review (July 2019)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

A summary of proposed Addendum p original changes:

1. *Create a column indicating spaces where unoccupied turndown is acceptable.*
2. *Incorporate Table 6.4 into Table 7.1 to remove confusion so that filter requirements will be uniformly applied.*
3. *Revise space names to align with names appearing in FGI 2014 and indicating the appropriate sections in FGI 2014 where that space is referenced.*

Based on commenter feedback the following additional changes are proposed:

1. *In paragraph 7.1(a)(3) the term "humidity" is changed to the phrase "design relative humidity"*
2. *Some spaces previously marked as not permitting unoccupied turndown are being changed to permit unoccupied turndown.*
3. *Some of the proposed new spaces would not be added to the standard.*
4. *Addendum a are proposed changes to the filter column created in this addendum and represents and updated approach to filtration in healthcare facilities. Users of the standard are encouraged to direct filter comments to Addendum a because the new values in addendum a will replace the column values added in Addendum p.*

Based on the 2nd (ISC) PPR the following changes are proposed in the 3rd (ISC) PPR:

1. *In the table header function of space column the 2nd PPR ISC incorrectly showed an underlined call out to note "aa". This is being changed to reflect the correct call out of note "dd" from the 1st PPR. This is primarily editorial.*
2. *The soiled linen holding room was shown as removed during the 2nd PPR ISC, however the FGI callout number was not consistent with the 1st PPR, so it is being shown correctly in this ISC. This is primarily considered editorial.*
3. *Note "ee" is being applied to several more spaces based on public review comments. Note "ee" is also being improved as code written language.*

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.]

Addendum p to 170-2017

Revise Section 7.1.a.3 as shown below. The remainder of Section 7.1 is unchanged.

7.1 General Requirements. The following general requirements shall apply for space ventilation:

a. Spaces shall be ventilated according to Table 7.1.

[…]

3. For design purposes, the minimum number of total air changes indicated shall be either supplied for positive pressure rooms or exhausted for negative pressure rooms. Spaces that are required in Table 7.1 to be at a negative pressure relationship and are not required to be exhausted shall utilize the supply airflow rate to compute the minimum total air changes per hour required. Except where indicated by a "No" in the Unoccupied Turndown column, the number of air changes shall be permitted to be reduced and temperature and design relative humidity altered when the space is unoccupied, provided that the required pressure relationship to adjoining spaces is maintained while the space is unoccupied and that the minimum number of air changes, temperature and design relative humidity indicated are re-established anytime the space becomes occupied (Refer to Informative Appendix A for additional information.). Air change rates in excess of the minimum values are expected in some cases in order to maintain room temperature and design relative humidity conditions based upon the space cooling or heating load.

[…]

Revise Table 7.1 and its notes as shown below. Table 7.1 and the notes may be modified by addenda to Standard 170-2017 currently published for free on the ASHRAE website at http://www.ashrae.org/standards-research--technology/standards-addenda.

TABLE 7.1 Design Parameters For Inpatient Spaces

Function of Space (~~aa~~dd)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (bb)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
NURSING UNITS AND OTHER PATIENT CARE AREAS									
Emergency Department public waiting area (2.2-3.1.3.4)	Negative	2	12	Yes (q)	NR	Yes (ee)	8/14	max 60	70-75/21-24
Emergency service Triage area (2.2-3.1.3.3)	Negative	2	12	Yes (q)	NR	Yes (ee)	8/14	max 60	70-75/21-24
Emergency department human decontamination (2.2-3.1.3.6(8)	Negative	2	12	Yes	No	Yes (ee)	8/14	NR	NR
Radiology waiting rooms	Negative	2	12	Yes (q), (w)	NR	Yes (ee)	8/14	max 60	70-75/21-24
Emergency department exam/treatment room (2.2-3.1.3.6) (p)	NR	2	6	NR	NR	Yes (ee)	8/14	max 60	70-75/21-24
Patient toilet room (2.1-2.2.6)	Negative	NR	10	Yes	No	Yes (ee)	8/NR	NR	NR
Patient Care Area Corridor	NR	NR	2	NR	NR	Yes	8/14	NR	NR
DIAGNOSTIC AND TREATMENT									
Imaging (diagnostic and treatment)	NR	2	6	NR	NR	Yes	8/14	max 60	72-78/22-26
Dialyzer reprocessing room	Negative	NR	10	Yes	No	Yes (ee)	8/NR	NR	NR
Nuclear medicine hot lab	Negative	NR	6	Yes	No	Yes (ee)	8/NR	NR	70-75/21-24
PATIENT SUPPORT FACILITIES									
Toilet room (2.1-4.3.9.1)	Negative	NR	10	Yes	No	Yes	8/NR	NR	NR
OTHER GENERAL SUPPORT FACILITIES									
~~Soiled lined holding room (2.1-5.2.3.1)~~	~~Negative~~	~~NR~~	~~10~~	~~Yes~~	~~No~~	~~No~~	~~8/NR~~	~~NR~~	~~NR~~
Toilet (2.1-5.2.~~2.~~4.1)	Negative	NR	10	Yes	No	Yes	8/NR	NR	NR
SUPPORT AREAS FOR NURSING UNITS AND OTHER PATIENT CARE AREAS									
Clean linen storage room (2.1-5.2.3.2)	Positive	NR	2	NR	NR	Yes	8/14	NR	72–78/22–26
Clean workroom (2.1-2.6.9.1)	Positive	2	NR	NR	NR	Yes	8/14	NR	NR
Clean supply room (2.1-2.6.9.2)	Positive	NR	NR	NR	NR	Yes	8/14	NR	NR

Note: NR = no requirement

ee. If this space utilizes unoccupied turndown it shall ~~I~~include time-delay controls such that turndown does not occur for the first 20 minutes after the space becomes unoccupied. (***Informative Note:*** The 20 minute delay approximates the time required for 90% reduction in airborne contamination at 6 air changes per hour, assuming perfect mixing.)

Note: Only revisions in underline or strikethrough are available for comment at this time.

ARCSA/ASPE 63:
Rainwater Catchment Systems

ARCSA
AMERICAN RAINWATER CATCHMENT SYSTEMS ASSOCIATION

ASPE
American Society of Plumbing Engineers℠

Second Public Review Draft

ARCSA/ASPE 63: RAINWATER CATCHMENT SYSTEMS (NORMATIVE)

3.0 DEFINITIONS

3.23 Sanitize:

Destruction of most microorganisms (whether or not pathogenic) through the use of chemicals or heat.

4.0 DESIGN AND INSTALLATION REQUIREMENTS

4.3 Pre-filtration

4.4 Cisterns / Storage

4.4.3 Installation

e. Below-grade cisterns, located outside a building, shall be provided with manhole risers a minimum of 10.2 cm (4 in.) above surrounding grade and/or installed in such a way as to prevent surface- or groundwater from entering ~~through the top of any fittings~~ the cistern.

4.9 Potable Water Applications

4.9.6 Water Disinfection

4.9.6.1 To conform to the minimum water quality standards for potable water specified in Table 4.1, one of the following disinfection methods shall be used:

~~d. Ultrafiltration to .02 micron~~

Table 4.1 Stored Rainwater Minimum Quality Standards		
Parameter	**Intended End-Use Quality Level**	
	Non-potable	**Potable [a]**
Escherichia coli (E. coli)	< 100 CFU / 100 ml	None Detected
~~Protozoan Cysts~~	~~< 10 cysts/100 ml~~	~~None Detected~~
~~Viruses~~	—	~~None Detected~~

Note: Only revisions in underline or strikethrough are available for comment at this time.

Heterotrophic Plate Count (HPC)	—	Less than 500 CFU/ml [b]
Turbidity	< 10 NTU [c]	< 0.3 NTU

[a] Potable water standards meet the U.S. Environmental Protection Agency's drinking water standard for pathogens.
[b] US EPA recommended limit
[c] Nephelometric Turbidity Unit (NTU),
Note: Monitoring requirements vary greatly from state to state. Consult state and local guidelines for monitoring requirements.

4.10 Operation and Water Quality Maintenance

4.10.1 Prior to Use: Prior to system operation, all debris will be removed from the collection surface and piping system. The cistern and distribution piping shall be cleaned with a sanitizing solution.

c. Public System

(1) In addition 4.10.1a and b, water shall be tested for Cryptosporidium. ~~and Legionella bacterium.~~

APPENDIX A ADDITIONAL RELEVANT STANDARDS/DOCUMENTS (INFORMATIVE)

2. International Association of Plumbing and Mechanical Officials (IAPMO)

Uniform Plumbing Code

Green Plumbing and Mechanical Code Supplement

Water Efficiency and Sanitation Standard (WeStand)

APPENDIX C REFERENCE DEFINITIONS (INFORMATIVE)

The following terms are commonly used in the rainwater catchment system industry, and the definitions are provided for informational purposes.

~~DISINFECTION: The process of rendering microbial contaminates non-infectious.~~

ICC 1100-20xx

Standard for Spray-applied Polyurethane Foam Plastic Insulation

ICC 1100-20xx edition Public Comment Draft #3 – August 6 2019

The ICC Foam Plastic Insulation Standard Committee has held 7 public meetings to develop this Public Comment Draft #3 of the ICC 1100-20xx Standard for Spray-applied Polyurethane Foam Plastic Insulation. Please show the proposed NEW or REVISED or DELETED TEXT in legislative format: ~~Line through text to be deleted.~~ Underline text to be added.

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CHAPTER 2
DEFINITIONS

201 GENERAL

201.1 General. For the purpose of this standard, the terms listed in Section 202 have the indicated meaning.

201.2 Undefined terms. The meaning of terms not specifically defined in this document or in referenced standards shall have ordinarily accepted meanings such as the context implies.

201.3 Interchangeability. Words, terms and phrases used in the singular include the plural and the plural the singular.

SECTION 202
DEFINED TERMS

AIR IMPERMEABLE INSULATION. An insulation which, at a given thickness, allows a maximum total air leakage rate of 0.02 L/s-m^2 (0.004 ft^3/min-ft^2) when tested at a 75 Pa pressure differential in accordance with ASTM E283 or ASTM E2178, as amended in this standard.

ALL CONSTRUCTION PLANES. Within an attic or crawl space, any surface exposed to the interior space of the attic or crawl space regardless of its orientation within that space.

ALTERNATIVE IGNITION BARRIER ASSEMBLY: An assembly consisting of either the exposed *spray-applied foam plastic* or the *spray-applied foam plastic* with a fire-protective *covering*, that has been tested in accordance with and complies with the conditions of acceptance of either Section 302.5 or 302.6 of this Standard or as permitted in the Special Approval section of the International Building Code Section 2603.9 or Specific Approval section of the International Residential Code Section R316.6. ~~Referenced test procedures include NFPA 286, UL 1715, FM 4880 or UL 1040.~~

ALTERNATIVE THERMAL BARRIER ASSEMBLY: An assembly consisting of either the exposed *spray-applied foam plastic* or the *spray-applied foam plastic* with a fire-protective *covering*, that has been tested in accordance with and complies with the Special Approval Section 2603.9 of the International Building Code or the Specific Approval Section R316.6 of the International Residential Code and meets the conditions of acceptance of Section 302.4 of this Standard and that complies with the Special Approval section of the International Building Code or the Specific Approval section of the International Residential Code.

COVERING. Any material forming a protective layer or membrane, including boards, sheet goods or liquid-applied coating materials which protect *spray-applied foam plastic* from environmental effects such as fire or ultra-violet light exposure.

301.2 Thermal Resistance. Thermal resistance shall be determined in accordance with ASTM C177, ASTM C518 or ASTM C1363. Test specimen density shall be within ±10 percent of the nominal density intended for use.

The reporting of thermal resistance shall be based on a mean-test temperature of 75°F ± 5°F (23.8°C ± 2.8°C) with a minimum temperature gradient of 40°F (22°C). Supplemental thermal resistance values at other mean temperatures may be included at the option of the manufacturer. *R*-values of less than 10 shall be rounded to the nearest tenth. *R*-values of 10 or more shall be rounded to the nearest whole number.

The thermal-resistance (*R*-values) for the *spray-applied foam plastic* shall be established for the range of thicknesses and the density intended for use. Nominal thicknesses tested shall be 1 inch (25.4 mm) and a thickness greater than or equal to $3^1/_2$ inches (89 mm). Calculated *R*-values for thicknesses between 1 inch (25.4 mm) and the maximum thickness tested shall be based on linear interpolation. Calculated *R*-values for thicknesses greater than the maximum thickness tested shall be extrapolated based on tested *R*-values at the maximum thickness tested.

Exception: For *spray-applied foam plastic* that is intended for use at a thickness less than $3^1/_2$ inches, tests shall be conducted at a 1-inch (25.4 mm) thickness and at the maximum thickness intended for use. Calculated R-values shall follow the rounding and interpolation rules stated above.

All samples shall be conditioned as prepared (i.e. with skins or substrates attached) and as set forth in Table 1 or Table 2, as applicable. Samples shall be sprayed to dimensions sufficient to accommodate the test equipment and the required thickness. Samples shall be ~~conditioned~~ aged in the as-sprayed configuration, then cut to the required dimensions at the conclusion of the ~~conditioning~~ aging period. ~~Samples sprayed in multiple "lifts" shall be identified.~~

SECTION 302
FIRE PERFORMANCE

302.1 GENERAL. Testing performed in accordance with any of the tests listed in Section 302 shall be performed on *spray-applied foam plastic* insulation at the maximum thickness and density intended for use. Sections 302.2 through 302.8 applies to low-density and medium-density *spray-applied foam plastic* insulation; Section 302.9 applies to *roofing applications*.

302.2 Surface-Burning Characteristics Tests.

302.2.1 Flame-Spread Index. The insulation shall exhibit a maximum flame-spread index of 75 when tested in accordance with ASTM E84 or UL 723 at the maximum thickness and density intended for use, but no greater than 4 inches (102 mm).

302.2.2 Smoke-Developed Index. The insulation shall exhibit a maximum smoke-developed index of 450 when tested in accordance with ASTM E84 or UL 723 at the maximum thickness and density intended for use, but no greater than 4 inches (102 mm).

302.2.3 Qualification of thicknesses greater than 4 inches. For *spray-applied foam plastic* insulation that is intended to be applied at a thickness greater than 4 inches (102 mm), fire testing shall be conducted in accordance with NFPA 286 (with acceptance criteria of Section 803.1.2.1 of the International Building Code), FM 4880, UL 1040, UL 1715.

302.3 Use with a Thermal Barrier. When the *spray-applied foam plastic* insulation is intended to be installed with a *thermal barrier* separating the insulation from the interior of a building, there is no limitation on the thickness when the *spray-applied foam plastic* has a flame-spread index no greater than 25 and smoke-developed index no greater than 450 when tested in accordance with ASTM E84 or UL 723 at a thickness of 4 inches (102 mm) and the maximum density intended for use. The *thermal barrier* shall comply with the requirements of IBC Section 2603.4 or IRC Section R316.4, as applicable.

302.4 Alternative Thermal Barrier Assembly – Room Corner Fire Tests. When the *spray-applied foam plastic* insulation is intended to be installed without the use of a *thermal barrier* separating the insulation from the interior of a building, the requirements of this section shall apply.

302.5 Testing for Alternative Ignition Barrier Assembly for Use in Attics – General. When the *spray-applied foam plastic* insulation is intended to be installed as a component of an *alternative ignition barrier assembly* (i.e. without the use of a code-prescribed *ignition barrier* separating the insulation from the interior of the attic or crawl space), the assembly shall be qualified by one or more of the following methods:

1. Room corner fire tests in described in this section~~Section 302.5 or 302.6~~.

2. As permitted in Special Approval section of the International Building Code or the Specific Approval section of the International Residential Code, as applicable.

All testing shall be conducted with the foam plastic installed at the maximum density and maximum thickness intended for use.

When the *spray-applied foam plastic* insulation is intended to be installed as a component of an *alternative ignition barrier assembly* (i.e. without a code-prescribed *ignition barrier*), the assembly shall be qualified by testing as set forth in either Section 302.5.1 (Test Method A) or 302.5.2 (Test Method B) of this Standard or as permitted in the Special Approval section of the International Building Code or the Specific Approval section of the International Residential Code. Assemblies tested in accordance with Section 302.5.1 or 302.5.2 are acceptable for installation on *all construction planes*. The requirements of this section apply to both an exposed

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

NSF/ANSI Standard
for Drinking Water Treatment Units –

Drinking Water Distillation Systems

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7 Elective performance claims – Test methods

Claims for the reduction of additional specific contaminants may be made by the manufacturer when tested in accordance with this Standard.

7.1 Inorganic chemical reduction claims qualified by TDS surrogate testing

Based on the study *Evaluation of Total Dissolved Solids as a Surrogate Parameter for the Reduction of Inorganic Contaminants by Distillation Systems*, conducted for the Water Quality Association by NSF International, 1991, TDS may be used as a surrogate for verifying the reduction of arsenic, barium, cadmium, chromium, copper, lead, and selenium to equal to or below the MCL when tested in accordance with Section 6.1.5 and achieving a minimum TDS percent reduction of 99.0% (see Annex A for rationale and supporting data.)

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Table 7.1 – Chemical reduction requirements

Contaminant	Individual influent sample point limits[1] (mg/L)	Average influent challenge (mg/L)	Maximum effluent concentration (mg/L)	Compound
arsenic[3]	0.30 ± 25% (added as trivalent)	0.30 ± 10%	0.010	$NaAsO_2$
barium[3]	10.0 ± 25%	10.0 ± 10%	2.0	$BaCl_2 \cdot 2H_2O$ [2]
cadmium[3]	0.03 ± 25%	0.03 ± 10%	0.0050	$CdCl_2$ [2]
chromium[3] (hexavalent)	0.30 ± 25% (added as hexavalent)	0.30 ± 10%	0.10	$Na_2Cr_2O_7 \cdot 2H_2O$
chromium[3] (trivalent)	0.30 ± 25% (added as trivalent)	0.30 ± 10%	0.10	$CrCl_3 \cdot 6H_2O$
chromium (hexavalent and trivalent)	0.3 ± 25%	0.3 ± 10% (added as 0.15 mg/L hexavalent and 0.15 mg/L trivalent)	0.05 (for each species)	—
copper[3]	3.0 ± 25%	3.0 ± 10%	1.3	$CuSO_4 \cdot 5H_2O$
fluoride	8.0 ± 25%	8.0 ± 10%	1.5	NaF
lead[3]	0.15 ± 25%	0.15 ± 10%	~~0.010~~ 0.005	$PbCl_2$ [2]
mercury	0.006 ± 25% (added as mercuric chloride)	0.006 ± 10%	0.0020	$HgCl_2$
nitrate plus nitrite (as N)	30 ± 20% (added as 27 mg/L NO_3 and 3 mg/L NO_2)	30 ± 10%	10.0[4]	$NaNO_3$ $NaNO_2$
perchlorate	0.10 ± 25%	0.10 ± 10%	0.006	$MgClO_4$ [2]
selenium[3]	0.10 ± 25% (added as 50% selenite and 50% selenite)	0.10 ± 10%	0.050	Na_2SeO_3 / Na_2SeO_4 (50:50 mixture)

[1] Equals average influent challenge concentration variability plus one of the following, in order of availability:
1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate US EPA method.
2. Acceptable spike recoveries as stated in the appropriated US EPA method.
3. Opinion of laboratory professionals – no guidance available in US EPA method.

[2] Metal salts using alternate counterions may be used if interferences and synergistic effects are avoided.

[3] Based on the study *Evaluation of Total Dissolved Solids as a Surrogate Parameter for the Reduction of Inorganic Contaminants by Distillation Systems*, conducted for the Water Quality Association by NSF International, 1991, TDS may be used as a surrogate for verifying the reduction of arsenic, barium, cadmium, chromium, copper, lead, and selenium to equal to or below the MCL when tested in accordance with Section 6.1.5 (see Annex A for rationale and supporting data.)

4 Of the 10 mg/L maximum product water level, no more than 1.0 mg/L shall be in the form of NO_2 as N.

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8 Instruction and information

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Table 8.1 – Performance data sheet inorganic chemical reduction claims

Substance	Influent challenge concentration	Maximum permissible product water concentration
arsenic	0.30 mg/L ± 10% (added as trivalent)	0.010 mg/L
barium	10 mg/L ± 10%	2 mg/L
cadmium	0.03 mg/L ± 10%	0.005 mg/L
chromium	0.3 mg/L ± 10% (added as hexavalent)	0.1 mg/L
chromium	0.3 mg/L ± 10% (added as trivalent)	0.1 mg/L
copper	3.0 mg/L ± 10%	1.3 mg/L
fluoride	8.0 mg/L ± 10%	1.5 mg/L
lead	0.15 mg/L ± 10%	~~0.01~~ 0.005 mg/L
mercury	0.006 mg/L ± 10% (added as mercuric chloride)	0.002 mg/L
nitrate plus nitrite (as N) nitrate nitrite	30 mg/L ± 10% 27 mg/L ± 10% 3 mg/L ± 10%	10 mg/L 10 mg/L 1 mg/L
selenium	0.10 mg/L ± 10% (added as 50% selenite and 50% selenate)	0.05 mg/L
TDS (surrogate)	1000 mg/L ± 10%	30 mg/L

Table 8.2 – Performance data sheet reduction claims for inorganic chemicals included by surrogate testing

Substance	Influent challenge concentration	Maximum permissible product water concentration
arsenic	0.27 mg/L (added as trivalent)	0.010 mg/L
barium	10.0 mg/L	2.0 mg/L
cadmium	0.03 mg/L	0.005 mg/L
chromium	0.3 mg/L (added as hexavalent)	0.1 mg/L
chromium	0.3 mg/L (added as trivalent)	0.1 mg/L
copper	3.0 mg/L	1.3 mg/L
lead	0.15 mg/L	~~0.01~~ 0.005 mg/L
selenium	0.10 mg/L (added as 50% selenite and 50% selenate)	0.05 mg/L
TDS (surrogate chemical is sodium chloride (NaCl))	1000 mg/L	10 mg/L

BSR/UL 330A, Standard for *Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)*

1. Revisions to the Proposed First Edition of the Standard for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)

3 Glossary

3.4 BLENDING OPTION – ~~Dispensing devices may be provided with an option that blends two specific fuels into one fuel to be dispensed. This blending occurs at the dispenser level and can be in two the following forms:~~
~~a) Fixed blending – Blending at the dispenser level that blends two specific fuels into one fuel to be dispensed, and that fuel to be dispensed is fixed. For example, fixed blending includes blend options where gasoline and denatured fuel ethanol can be blended to achieve E85, which is the actual dispensed fuel.~~
~~b) Variable Ratio blending – Blending at the dispenser level that blends two specific fuels into the fuel to be dispensed, but the fuel to be dispensed can be any of a number of previously set points. For example, variable blending includes blend options where gasoline and E85 can be blended to achieve E40, E60, and E85 as the actual dispensed fuel.~~ Blending at the dispenser level that blends two specific fuels into the fuel to be dispensed. The fuel to be dispensed can be any of a number of set points. For example, blending includes blend options where gasoline and ethanol can be blended to achieve E40, E60, and E85 as the actual dispensed fuel.

10 Materials

10.2 Nonmetallic materials

10.2.6 Blending options

10.2.6.1 Hose assemblies intended for use with dispensing equipment that provides for a ~~variable~~ blending option, at gasoline/ethanol blends with nominal ethanol concentrations above 25 percent, shall be subjected to the Blend Cycling Test, Section 31.

~~10.2.6.2 Hose assemblies intended for use with dispensing equipment that provides for a fixed blending option, at gasoline/ethanol blends with nominal ethanol concentrations above 25 percent, shall be evaluated in accordance with a) or b):~~
~~a) If intended to be located after the blending option such that the hose assembly is only subjected to the final blended fuel, then the Blending Cycling Test is not required.~~
~~b) If intended to be located at or before the blending option such that it is subjected to a different gasoline/ethanol blend levels, the hose assembly shall be subjected to the Blending Cycling Test, Section 31.~~

~~10.2.6.3 Hose assemblies intended for use with dispensing equipment that provides for a variable or fixed blending of gasoline/ethanol blends with nominal ethanol concentrations below 25 percent are considered acceptable without further evaluation for the blending options below E25.~~

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BSR/UL 1090, Standard for Safety for Electric Snow Movers

1. Proposed Revisions To Paragraph SA2.2 To Specify Impact Test Requirements That Align With Similar Impact Test Requirements In UL 62841-1

SA2.2 With respect to the instructions in Indent Instructions, Annex D of the Standard for General Requirements for Battery-Powered Appliances, UL 2595, the following shall be applied to battery-operated snow movers:

a) Indent B - Users are not considered to be wet during the use of a battery-operated snow mover.

b) Indent C - The specification for the battery is ELT: -35°C.

c) Indent D - No special considerations are required.

d) Indent E - The temperature limits specified in UL 2595 are considered suitable.

e) Indent F - No special considerations are required.

f) Indent G - Additional or alternative Safety Critical Functions (SCFs) are specified in Table SA2.1. If the safety of the electronic control circuit has been evaluated in accordance with the functional safety requirements in UL 2595, then the safety of the electronic circuit complies with the requirements of this Standard.

g) Indent H - The Impact Test shall be conducted on concrete. For detachable battery packs with a mass greater than or equal to 3 kg, the battery pack shall be subjected to three impacts of 5 ft-lbf (6.8 J) each. Each impact is to be produced by dropping a steel sphere, 2 in (51 mm) in diameter, and weighing 1.18 lb (0.54 kg) from a height of 51 in (1.29 m) to produce the specified impact, or by permitting the ball to swing as a pendulum with the battery rigidly supported. The sample shall be positioned to vary the point of impacts. After the impact test, the test specified in 15.7 in UL 2595 shall be conducted after the battery pack has returned to within 5 K of the ambient temperature.

h) Indent I - The products specified in SA2.3 shall have the switching arrangement as specified.

i) Indent J - A battery operated snow remover that may also be operated or charged by mains or a non-isolated source as described in UL 2595, shall also comply with the requirements of this Standard that apply to the risk of electric shock. For a battery-operated snow mover, the exempted requirements in SA2.1

2. Proposed Revisions To Paragraph SA2.4 To Clarify The Force Value Used To Test Battery Enclosures

SA2.4 The horizontal top surface of a battery enclosure shall have such strength and rigidity that, in conjunction with an air spacing provided between it and the battery terminals, the battery terminals will not be short-circuited when a ~~260~~ 250-lb (1112-N) force is applied to the top surface. The ~~260~~ 250-lb (1112-N) force is to be applied through a 13-1/2-in (343-mm) diameter rigid plate, regardless of the area of the cover. In place of the spacing, insulation designed to prevent short-circuiting of the battery terminals may be secured to the inner surface of a battery enclosure.

3. Proposed Revisions To Delete Section 42A, Electrostatic Discharge (ESD) Resistance Test

~~**42A Electrostatic Discharge (ESD) Resistance Test**~~

~~42A.1 After exposure to the electrostatic discharge conditioning as described in 42A.2, there shall be no:~~

~~a) Ignition of the enclosure material;~~

~~b) Exposure of live parts;~~

~~c) Emission of flame or molten metal, or glowing or flaming of the combustible material upon which the snow mover/mower is placed; or~~

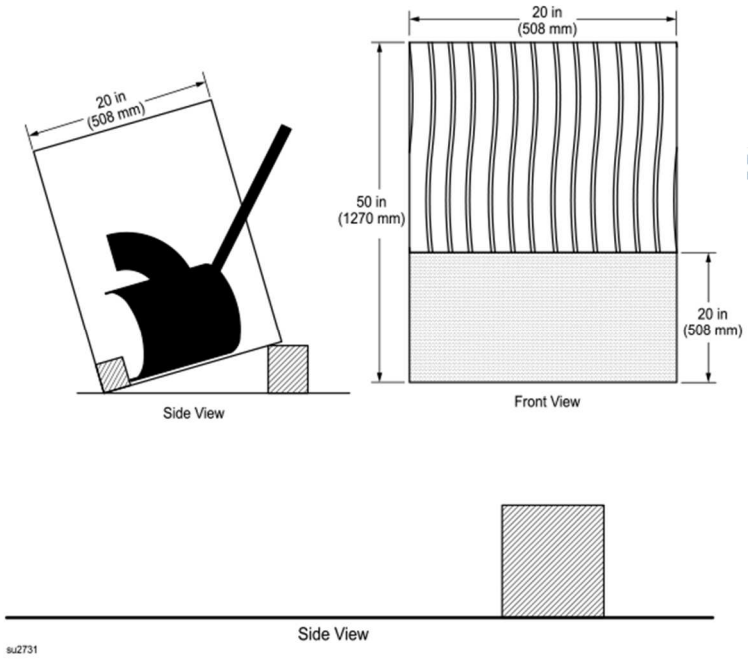
~~d) Loss of a safety critical function.~~

~~42A.2 The snow mover shall be operated in the static electricity resistance test booth as specified in 42A.3 and illustrated in Figure 42A.1. During the test, the snow mover shall rest on white tissue paper on a softwood surface and is to operate continuously for 7 hours or until the ultimate results have been determined. The test booth shall be filled with enough styrofoam pellets to provide a constant static voltage of at least 20 kV, while the snow mover is operating at maximum speed. Humidity levels may be adjusted to help create the conditions for static voltage and air ventilation may be provided to the motor to prevent over heating of the product. The static voltage shall be monitored using a static meter once within each 30 minute interval to verify the static voltage level.~~

~~42A.3 The test booth shall be constructed of insulating materials (i.e. plywood, rubber, etc.) and shall be at least 20 x 20 x 50 inches (508 mm by 508 mm by 1270 mm), but can be larger to accommodate larger snow movers. Spacers shall be provided at the back corners of the mover to keep the auger and chute from getting too close to the wall. A minimum of 4 inches (50 mm) from the wall is to be maintained. The front of the test booth shall have a curtain on the top and a back panel to keep the Styrofoam pellets in the test booth. There shall be a block of a minimum of 6 inches (152mm) high located under the front edge of the test booth and the discharge chute or vanes shall be directed at the back wall for proper Styrofoam pellet recirculation.~~

~~Figure 42A.1~~

~~Static electricity resistance test booth~~



SA2 Construction and Performance

SA2.1 A battery-powered snow mover, shall comply with the requirements specified in the Standard for General Requirements for Battery-Powered Appliances, UL 2595, as applicable, and with the conditions and specifications as specified in Indent A of Indent Instructions, Annex D of UL 2595, and as specified in (a) - (~~h~~g). Items (a) - (~~h~~g) are in reference to the requirements in the main body of the standard.

a) The requirements in 5.4, 5.9, 5.11, 5.12, 5.15, 5.18, 5.19, 5.21 - 5.24, and Sections 7, 10, 11, 13 - 19, 26 - 29, 31 - 34, 35, 37 - 40, 46 - 48, 51, 55 - 57, do not apply in their entirety.

b) The requirements in 1.1, 4.2 - 4.4, 4.14, 4.19, 4.20, 4.21, 5.2.1, 5.5.2, 5.17.3, 6.1.3, 6.3, 6.4.4 (b), 6.4.6, 8.5 (f), 12.2.2, 12.2.3, 12.3, 44.1, 44.3, 44.4, 45.1, 45.5 - 45.7, 50.2, 50.3, 53.7, 54.1.5(b) - 54.1.5(d), 54.1.6(a) and 54.1.6(b), do not apply.

c) For the requirements in Overcurrrent Protection, Section 5.17, the overcurrent protection devices are specified in those cases where a fuse is used to comply with the requirements for Circuit Current Conditions in UL 2595.

d) The requirements in 20.4 and 20.5 as they relate to protective controls are applicable, unless a battery-operated snow mover complies with the requirements for safety critical functions. See SA2.2(f).

~~e) For the test in 42A.2, the appliance is operated at no-load until the appliance no longer operates due to the battery(ies) being discharged.~~

f) The Resistance Impact Tests, Section 44.2 and Section 45.2 apply to a battery-operated snow mover, but the acceptance/compliance criteria of the Mechanical Strength Test in UL 2595 shall be applied.

g) For the requirements in 50.1 (c), the electrical rating in volts may be applied. Also see 6.2 in UL 2595.

h) In the application of the requirements in 53.4, the marking only applies to products operating at hazardous voltages and shall be marked to indicate that such servicing or cleaning is to be done with the battery removed or disconnected, or the equivalent.

BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

1. Proposal to add Requirements for Attachment Fitting & Receptacle for Luminaire and/or Ceiling Fan Load Ratings

2.4.1 ATTACHMENT FITTING - A male (load connected only) component device intended solely for factory assembly to utilization equipment for the purpose of connection to a luminaire and/or ceiling-suspended fan support receptacle.

2.18.1 RECEPTACLE, CEILING-SUSPENDED FAN SUPPORT — A type of receptacle intended to be secured to a ceiling outlet box. Provides electrical connection and mechanical support of a ceiling-suspended fan by a factory installed attachment fitting secured to a ceiling-suspended fan.

2.24.1 RECEPTACLE, LUMINAIRE SUPPORT – A type of receptacle intended to be secured to a ceiling outlet box. Provides electrical connection and mechanical support of a luminaire by a factory installed attachment fitting secured to the luminaire.

12.7 Attachment Fitting

12.7.1 An attachment fitting may only be factory assembled to utilization equipment for the purpose of connection to a luminaire and/or ceiling-suspended fan support receptacle of the same manufacturer.

12.7.2 An attachment fitting shall have securement redundancy when inserted into either a luminaire and/or ceiling-suspended fan. Compliance is checked by visual inspection.

12.7.3 An attachment fitting when fully inserted as intended into either a luminaire or ceiling-suspended fan receptacle shall bond all dead metal to the receptacle grounding terminal.

12.7.4 An attachment fitting shall be configured in such a manner as to prevent interchangeability of differently rated load attachment fittings. It shall not be possible to mate an attachment fitting with either a luminaire or ceiling-suspended fan support receptacle having a lower rating as identified in Table 12.7.

Table 12.7

Attachment Fitting Load Rating

Attachment Fitting Load Rating	Intended Receptacle	Outlet Box Rating
50 lb.	Luminaire Support Receptacle	Luminaire/Fixture 50 lb Minimum

35 lb.	Ceiling-suspended Fan Support Receptacle [a]	Fan Support 35 lb. Minimum Luminaire/Fixture 50 lb. Minimum
50 lb.	Ceiling-suspended Fan Support Receptacle [a]	Fan Support 50 lb. Minimum Luminaire/Fixture 50 lb. Minimum
70 lb.	Ceiling-suspended Fan Support Receptacle [a]	Fan Support 70 lb. Minimum Luminaire/Fixture 70 lb. Minimum
Notes: [a]) Identified load rating shall be specified by the manufacturer and so marked. See Tables 193.1 and 193.4 for marking details.		

12.7.5 An attachment fitting and luminaire or ceiling-suspended fan support receptacle which utilizes slip-ring contacts shall comply with the slip-ring connection requirements in accordance with the UL 335 Standard for Cord Reels. Slip-ring testing shall be performed on the complete assembly consisting of the attachment fitting and luminaire or a ceiling-suspended fan support receptacle.

12.7.6 An attachment fitting shall comply with the applicable attachment plug requirements contained in this standard. The attachment plug fitting shall also comply with the UL 514A Standard for Metallic Outlet Boxes as a component of either a luminaire or ceiling-suspended fan support receptacle.

42B Luminaire or Fan Support Receptacle

42B.1 A luminaire or ceiling-suspended fan support receptacle shall comply with the applicable receptacle requirements contained in this standard.

42B.2 Additionally, a luminaire or ceiling-suspended fan support receptacle shall also comply with applicable requirements contained in the UL 514A Standard for Metallic Outlet Boxes.

42B.3 An attachment fitting and luminaire or ceiling-suspended fan support receptacle shall be subjected to the loading test as described in the UL 514A Standard for Metallic Outlet Boxes, except as modified below.

Table 42B.1

Luminaire or Ceiling-Suspended Fan Loading Test

Type of Load (Luminaire or Ceiling-Suspended Fan)[a]	**UL 514 A, Sections**	**Applied Load lbf.(N)**
Luminaire or Ceiling-suspended fan support	12.17,12.5	See UL 514A, Paragraphs 12.14.1.1 Table 10 and 12.5.4 for applied loads

Notes: [a] See Tables 193.1 and 193.4 for marking details.

42B.4 At the conclusion of the load test identified in Table 42B.3, there shall be no cracking, breaking, or any visible damage to either the attachment fitting or luminaire and/or ceiling-suspended fan support receptacle.

42B.5 Testing shall be performed on three complete assemblies of an attachment fitting and/or luminaire or ceiling-suspended fan support receptacle.

42B.6 The luminaire and/or a ceiling-suspended fan support receptacle shall be installed using a suitable outlet box attached to an appropriate bar hanger having a suitable applied load rating.

42C Ceiling-Suspended Fan Test

42C.1 An attachment fitting and ceiling-suspended fan support receptacle shall also comply with the UL 514A Standard for Metallic Outlet Boxes, ceiling-suspended fan support test.

42C.2 The attachment fitting and ceiling-suspended fan support receptacle shall be investigated with a fan weighing either 35 lb. (15.9 kg), or 50 lb. (23 kg), or 70 lb. (32 kg) as specified by the manufacturer and so marked.

42C.3 The ceiling-suspended fan support test shall be performed on three complete assemblies consisting of an attachment fitting and ceiling-suspended fan support receptacle.

42C.4 The ceiling-suspended fan support receptacle shall be installed in a suitable outlet box attached to an appropriate bar hanger having a suitable applied load rating.

42C.5 At the conclusion of the ceiling-suspended fan support test there shall be no cracking, breaking, or any visible damage to either the attachment fitting or luminaire or a ceiling-suspended fan support receptacle.

Table 193.1

Markings and instructions applicable to attachment plugs and attachment fitting

Description	Reference	Marking	Location
Attachment fitting for use with a Luminaire Support Receptacle with a 50 lb. support rating	15	Luminaire Support 50 lb. Max	On the device, on the package or on an Instruction sheet included with the device

		Not removable or interchangeable with another fixture	On the device, visible during installation
		Mate only with Model [model or catalog number]	On the device, visible during installation
Attachment fitting for use with a ceiling-suspended fan support receptacle with a 35 lb. support rating	16	Fan Support 35 lb. Max	On the device, visible during installation
		Not removable or interchangeable with another fixture	On the device, visible during installation
		Mate only with Model [model or catalog number]	On the device, visible during installation
Attachment fitting for use with a ceiling-suspended fan support receptacle with a 50 lb. support rating	17	Fan Support 50 lb. Max	On the device, visible during installation
		Not removable or interchangeable with another fixture	On the device, visible during installation
		Mate only with Model [model or catalog number]	On the device, visible during installation
Attachment fitting for use with a ceiling-suspended fan support receptacle with a 70 lb. support rating	18	Fan Support 70 lb. Max	On the device, visible during installation
		Not removable or interchangeable with another fixture	On the device, visible during installation
		Mate only with Model [model or catalog number]	On the device, visible during installation

Table 193.4

Marking and instructions applicable to receptacles

Description	Reference	Marking	Location
Luminaire Support Receptacle 50 lb. support rating	41	Luminaire Support 50 lb. Max	On the device, visible during installation
Ceiling-suspended fan support receptacle	42	Fan Support 35 lb. Max	On the device, visible **AFTER** installation

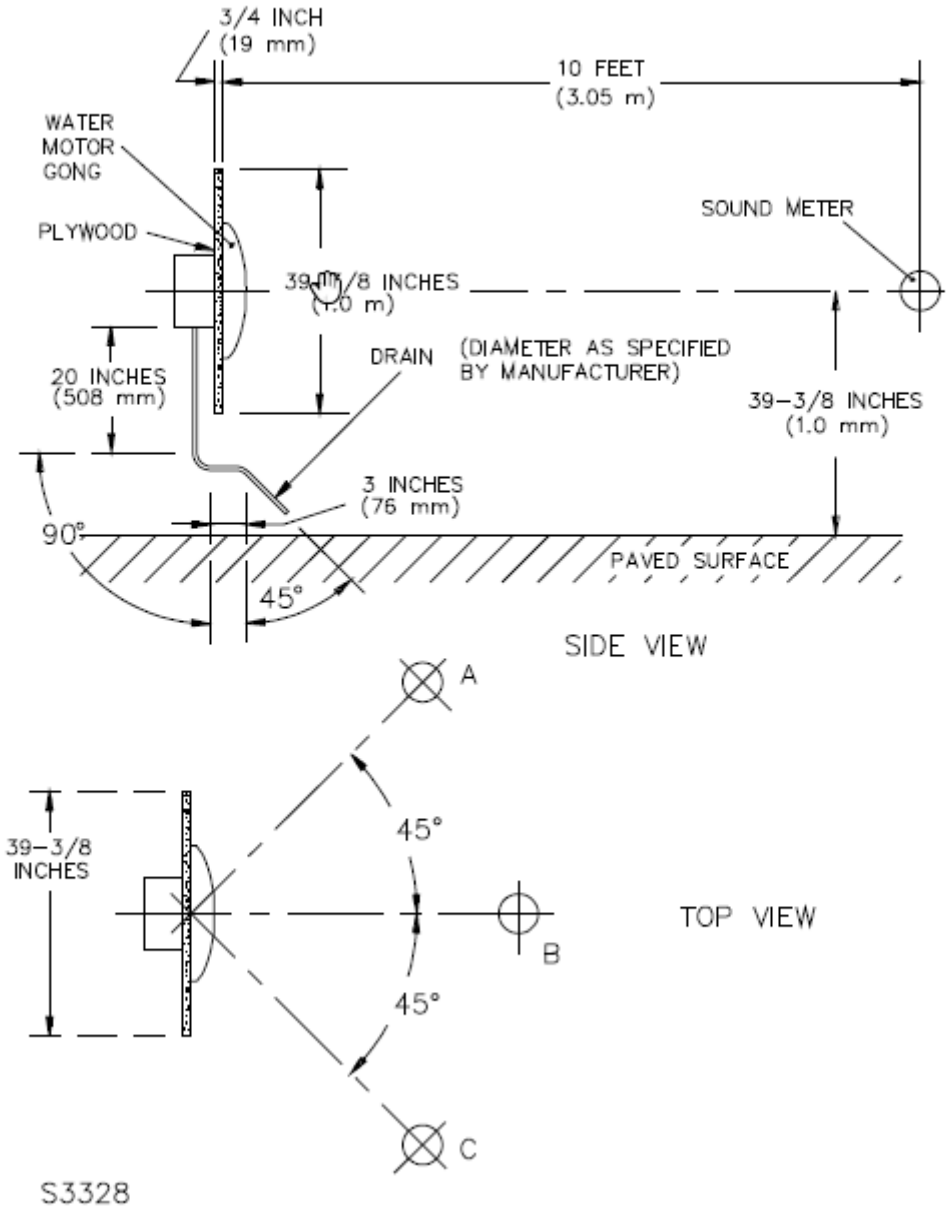
with a 35 lb. support rating			
Ceiling-suspended fan support receptacle with a 50 lb. support rating	43	Fan Support 50 lb. Max	On the device, visible **AFTER** installation
Ceiling-suspended fan support receptacle with a 70 lb. support rating	44	Fan Support 70 lb. Max	On the device, visible **AFTER** installation

BSR/UL 753-201x, Standard for Safety for Alarm Accessories for Automatic Water-Supply Control Valves for Fire-Protection Service

1. Correction to Figure 34.1

(CURRENT)

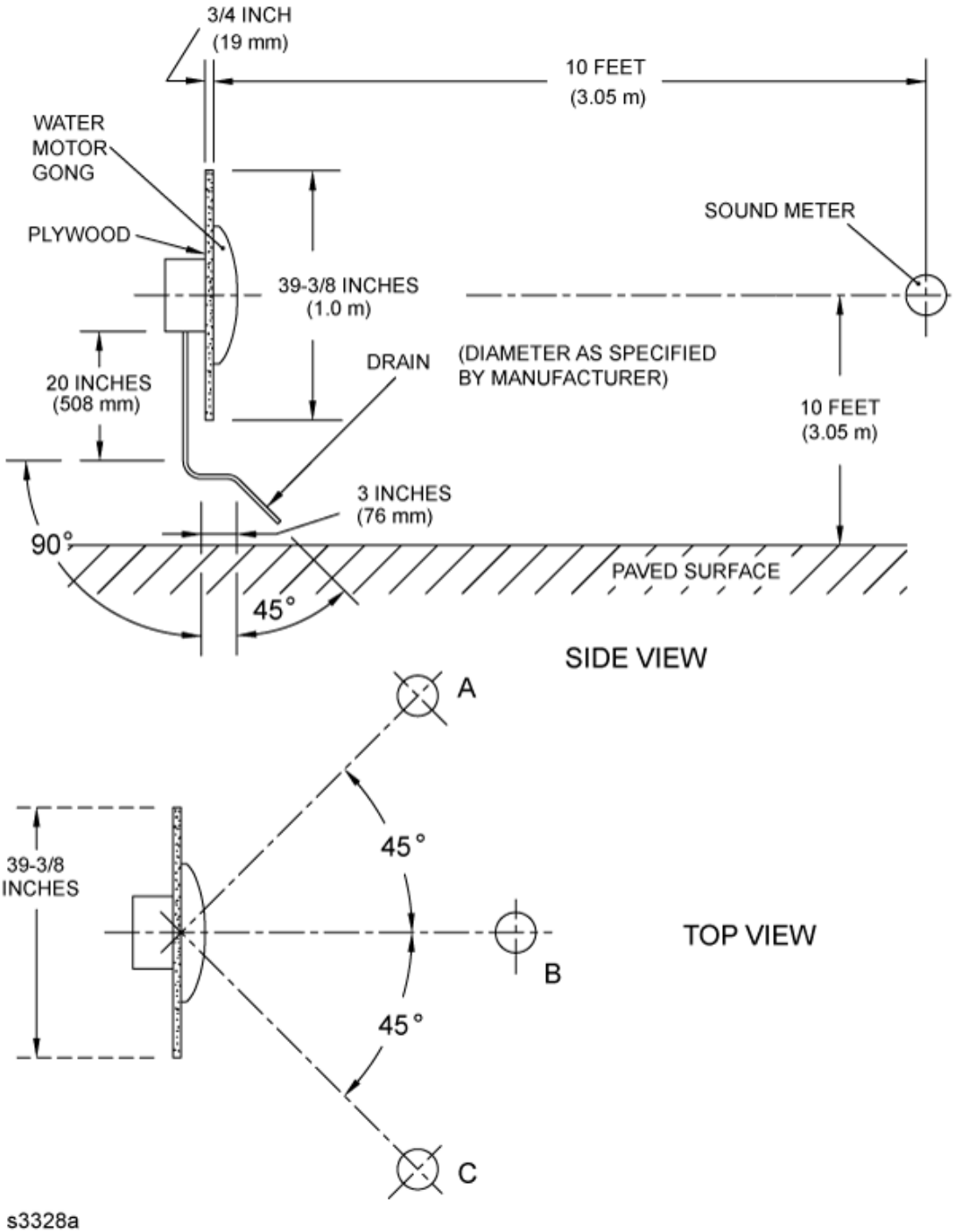
Figure 34.1
Intensity of alarm test setup



(PROPOSED)

Figure 34.1

Intensity of alarm test setup



BSR/UL 1981-201X, Standard for Safety for Installation and Classification of Residential Burglar Alarm Systems

1. Remote Access to the Automation System

~~6.1.1 If supported by the automation system any Any connection to the system that permits access from a point outside of the central-station shall be through a secure, end-to-end connection that utilizes encryption certified by NIST (See 5.34). The configuration of these connections used in central-stations shall comply with Section 17.12, Connections to the Automation Computer System, of the Standard for Central-Station Alarm Services, UL 827.~~

(New)
6.1.1 EXTERNAL ACCESS

6.1.1.1 If the automation system software provides capabilities for remote access from a point outside of the signal receiving center private corporate secure network it shall be through a secure, end-to-end connection that utilizes encryption.

6.1.1.2 Evidence of a certificate of compliance for the validation of approved communication and stored data security functions shall be provided by the automation system software manufacturer. The certificate of compliance shall be from the National Institute of Standards and Technologies (NIST) cryptographic algorithm validation program (CAVP) and shall be a current valid certificate for the security function used by the system and security function per Annex CA, Approved Security Functions for FIPS PUB 140-2, Security Requirements for Cryptographic Modules.

(New)
APPENDIX C (INFORMATIVE)

C1 Requirements for Security Functions

C1.1 Below is a list of acceptable security functions:

a) ISO/IEC 9796 (all parts), Information technology – Security techniques – Digital signature scheme giving message recovery, ref. [13];

b) ISO/IEC 9797 (all parts), Information technology – Security techniques – Message Authentication Codes (MACs), ref. [14];

c) ISO/IEC 9798 (all parts), Information technology – Security techniques – Entity authentication, ref. [15];

d) ISO/IEC 10118 (all parts), Information technology – Security techniques – Hash-functions, ref. [16];

e) ISO/IEC 11770 (all parts), Information technology – Security techniques – Key management, ref. [17];

f) ISO/IEC 14888 (all parts), Information technology – Security techniques – Digital signatures with appendix, ref. [18];

g) ISO/IEC 15946 (all parts), Information technology – Security techniques – Cryptographic techniques based on elliptic curves, ref. [19];

h) ISO/IEC 18033 (all parts), Information technology – Security techniques – Encryption

algorithms, ref. [20];

i) ISO/IEC 19772 (all parts), Information technology – Security techniques – Authenticated encryption, ref. [21];

j) NIST FIPS 140-2, Annex A: Approved Security Functions, ref. [22];

k) NIST FIPS 140-2, Annex D: Approved Key Establishment Techniques, ref. [23].

C1.2 All implemented security functions shall be assessed that they conform with the prescribed standard.

NOTE: An example of compliance is the FIPS 140 Cryptographic Algorithm Validation Program.

C1.3 Algorithm choices not covered in C1.1 are to be identified and validated as part of Section 12, Vendor Product Risk Management Process

BSR/UL 2565, Standard for Safety for Manual and Semiautomatic Metal Sawing Machines

1. Proposed Revisions To Expand The Scope Of UL 2565 To Cover Larger Industrial Metalworking And Woodworking Type Machines

32.3 The requirements in 32.2 apply to all free standing metal sawing machines. A free standing metal sawing machine is defined as floor standing and not intended to be secured to other units or to the floor or other parts of the building.

Operating Procedures of the Intellectual Property Rights Policy Advisory Group (IPRPAG)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals and consistent with the ANSI By-Laws approved by the ANSI Board of Directors in June 2019, the ANSI Board has established three Policy Advisory Groups ("PAGs"), each reporting to the ANSI Board Executive Committee ("Executive Committee"): the National Policy Advisory Group ("NPAG"), the International Policy Advisory Group ("IPAG") and the Intellectual Property Rights Policy Advisory Group ("IPRPAG"). These PAGs: (i) provide a place for discussion, analyses and recommendations from experts and other parties who have an interest in the subject matter of the PAG; (ii) provide a mechanism for "early warning" of relevant trends within the expertise of the PAG; (iii) address issues of interest to the PAG; and (iv) identify broader-based issues and trends and, where appropriate, recommend that they be addressed by the Executive Committee. ANSI's policies, including the ANSI Code of Conduct, apply to all persons participating in PAG activities.

These Operating Procedures set forth the rules of procedure for the IPRPAG and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

The IPRPAG shall provide views and propose policies regarding the intersection of intellectual property rights and standards, including the incorporation of essential patents or other proprietary intellectual property (such as trademarks and copyright) in national, regional or international standards. The IPRPAG shall also provide views and propose policies regarding exploitation rights to the copyright in standards and the recognition of copyright protection for standards by courts, legislatures, regulatory bodies, industry and others. The IPRPAG responds to requests for input from the Board, Executive Committee, Committees of ANSI, Forums and other PAGs with respect to the foregoing subject-matter.

Any changes to the ANSI Essential Requirements proposed by the IPRPAG relative to the incorporation of essential patents or other proprietary intellectual property in standards are subject to the approval of the ANSI Executive Standards Council (ExSC) and Executive Committee. Any

other guidelines, public statements or communications of the IPRPAG intended to be shared outside of ANSI are subject to the approval of the Executive Committee.

2. IPRPAG Membership and Membership Rights

Membership in the IPRPAG is open to all interested ANSI members[1] (other than Basic and International members). Participation in the IPRPAG is by voting and/or non-voting membership as follows:

Interested ANSI members may designate one (1) representative as its voting member on the IPRPAG. Once approved by the ExCo, voting members have the right to: (i) access all IPRPAG documents, including meeting minutes and agendas; (ii) participate in electronic communications and correspondence (e.g., emails, Confluence exchanges, etc.); (iii) attend all IPRPAG meetings; (iv) participate in discussions at all IPRPAG meetings; and (v) vote on matters coming before the IPRPAG.

Interested ANSI members may also designate one (1) non-voting representative to the IPRPAG (in addition to or in lieu of a designated voting member). Non-voting members, who do not require ExCo approval, have the right to: (i) access all IPRPAG documents, including meeting minutes and agendas; (ii) attend IPRPAG meetings, either in person or via appropriate electronic means, with in person attendance subject to space limitations; and (iii) participate in discussions at IPRPAG meetings and/or participate in electronic communications and correspondence, subject to time limitations. The IPRPAG Chair, with input from the IPRPAG Secretary, shall make decisions relative to space and time limitations that impact non-voting member participation. With permission of the chair, colleagues or other representatives of voting or non-voting members may be designated to attend IPRPC meetings remotely and passively, via appropriate electronic means.

3. Voting vs. Non-voting Status

Voting members are generally those who wish to actively and consistently participate in IPRPAG meetings, debates, task forces and votes. They should ideally have experience in the application of the ANSI Essential Requirements' provisions pertaining to the incorporation of intellectual property rights in standards and/or exploitation rights to the copyright in standards, and are expected to attend meetings and have read materials distributed in advance of meetings. They are also expected to commit the time and resources that are necessary and appropriate to fulfill the purpose of the IPRPAG.

Non-voting members are generally those ANSI member representatives who are not active in the IPRPAG and wish to make a less substantial commitment to the work of the IPRPAG. They are often involved in the IPRPAG primarily for informational purposes, to be included on any distribution list and may attend meetings from time to time. However, non-voting members may also include a single additional representative of an ANSI member who has not himself/herself been designated the IPRPAG voting member for that ANSI Member.

Voting and non-voting members may become (and stay) involved in the IPRPAG as follows:

[1] As delineated in Section 2.01 of the By-Laws.

Voting Members. All voting members shall be approved by the ANSI Executive Committee. ANSI members who wish to designate a voting representative to the IPRPAG, shall indicate their interest in or around June of each year in response to ANSI's formal call for nominations. Voting members shall serve for terms of three years and, if they remain eligible, be entitled to serve an unlimited number of terms. Voting members must stay active at the IPRPAG: the status of voting members who fail to attend two consecutive IPRPAG meetings (in person or remotely) or fail to respond to two consecutive Letter Ballots during a single three-year term may be subject to reclassification to non-voting member status upon due consideration by the Executive Committee. There is a limit of one voting member of the IPRPAG from any single ANSI member.

Non-voting Members. ANSI members who wish to designate a non-voting representative to the IPRPAG may register such representative to participate as a non-voting member of the IPRPAG by contacting the ANSI membership department. Non-voting members do not serve for specific terms and may remain on the IPRPAG as long as they are otherwise eligible to serve.

Mid-term appointments to voting status on the IPRPAG will be considered by the Chair of the ANSI Board of Directors if: (i) a new ANSI member (joining outside the normal nomination cycle) wishes to engage immediately in the PAG's activity; or (ii) an resignation or departure by a voting member occurs outside the normal nominating cycle. Such “mid-term” changes will be resolved by the Chair of the ANSI Board on a case-by-case basis.

4. Alternates

On any matters requiring a vote either at a meeting of the IPRPAG or via Letter Ballot, a current voting member may appoint a temporary alternate upon prior written notice sent by electronic means to the IPRPAG Chair and IPRPAG Secretary.

5. Officers

The Chair of the Board shall appoint the Chair of the IPRPAG subject to approval by the Board. The Chair shall serve for two years and shall be eligible to serve for a maximum of two full consecutive terms. The Chair of the IPRPAG shall maintain impartiality at all times and shall not be entitled to vote on any matters brought to a vote before the IPRPAG. However, the ANSI member with whom the Chair is affiliated may appoint an IPRPAG voting member (and alternate, see above), apart from the Chair.

The Chair of the Board shall also appoint up to two (2) Vice Chairs to serve for two years and who shall be eligible to serve for a maximum of two full consecutive terms. The Vice Chair(s) shall assist the Chair with matters that come before the IPRPAG and may substitute as Chair at any meeting in which the Chair is unable to attend. The IPRPAG Chair, together with the Vice Chair(s) and the Copyright Group Chair, shall constitute the IPRPAG Leadership Team and shall be supported by the IPRPAG Secretary. A staff member designated by the ANSI President shall serve as the non-voting Secretary of the IPRPAG.

In any year in which the current IPRPAG Chair or a Vice Chair's term is to expire, the IPRPAG Leadership Team shall appoint a Nominating Committee for the purpose of evaluating candidates, for the next IPRPAG Chair and Vice Chair(s). The Nominating Committee shall consist of at least three voting members of the IPRPAG. The IPRPAG Leadership Team shall make every effort to ensure that the Nominating Committee is representative of the diversity of organizations and viewpoints participating in the IPRPAG.

In each such year, the Secretary will issue a call to the IPRPAG voting members to solicit interested candidates for any open positions. By October 1 of such year, interested candidates shall furnish to the Secretary a biographical statement setting forth the candidate's relevant qualifications. Based on this information, by November 1, the Nominating Committee by majority vote shall recommend to the ANSI Board Chair (via the IPRPAG Secretary) proposed nominees for open IPRPAG Chair and/or Vice Chair(s) positions.

6. Meetings and Agendas

Meetings of the IPRPAG generally shall be held two times a year with such additional meetings as are deemed necessary or desirable at the discretion of the IPRPAG Chair and approved by a majority of the IPRPAG. At any meeting of the IPRPAG, the presence (either in person or via appropriate electronic means) of a majority of the current voting membership (i.e., the authorized voting membership not counting vacancies) shall constitute a quorum.

Notice of the time and place of meetings of the IPRPAG shall be given by the IPRPAG secretary. Written notice shall be sent by electronic means to each member of the IPRPAG at least forty-five (45) calendar days before the meeting. Meetings of the IPRPAG may be attended by voting members or their alternates and, space permitting, by non-voting members. Attendance may be either in person or via appropriate electronic means. Non-member guests may also be invited by the IPRPAG Chair, if and when relevant to the work of the IPRPAG, space permitting.

All suggestions for agenda items must be submitted to the IPRPAG Secretary at least four weeks before an IPRPAG meeting, unless allowed by the Chair on shorter notice. The Leadership Team shall make the final decision on which agenda items will be included in a meeting agenda. Unless otherwise allowed by the Chair on shorter notice, the Secretary of the IPRPAG will cause the agenda and all related materials (except summary presentations, see below) to be distributed to voting and non-voting members of the IPRPAG reflecting the items to be considered at least two weeks before an IPRPAG meeting. With respect to agenda items and related materials distributed later than two weeks prior to an IPRPAG meeting, the Chair shall ask if there is objection to discuss the later-delivered documents. If so, this Chair, after having such objection(s), shall have the discussion to determine whether such additional items will be discussed.

Presentations that summarize a speaker's intended remarks, for example PowerPoint Presentations, are not subject to the "two-week" distribution rule as they are normally prepared in the days immediately preceding the IPRPAG meeting by various IPRPAG members and staff. These presentations will be distributed ideally two days before the meeting.

The Secretary of the IPRPAG will prepare a report of each IPRPAG meeting, which will be circulated as soon as practicable after the meeting. The meeting report shall be approved by the

IPRPAG either between meetings or at the next scheduled meeting. Such meeting report shall succinctly report on motions and their disposition as well as significant points of discussion, together with follow-up responsibilities.

7. Authorization of Letter Ballots

The IPRPAG, in session, or the Chair of the IPRPAG may authorize the Secretary to distribute letter ballots. Letter ballots shall be closed on the twentieth (20^{th}) working day following the date of issue, unless extended by the Chair to allow for a quorum to respond. The Chair, for good cause and with the concurrence of the IPRPAG Secretary, may authorize a shorter interval for letter ballots. Non-responses to shortened ballots will not count as a violation of a voting member's obligation to vote as outlined above. When the letter ballot has been closed, the Secretary shall report the results to the IPRPAG.

8. Recommendations by the IPRPAG

Recommendations by the IPRPAG may be approved by voting either at an IPRPAG meeting or by Letter Ballots between meetings, depending on the nature of the recommendation and the applicable timetable.

Supermajority Votes: IPRPAG recommendations on proposed changes to the ANSI Patent Policy ("Patent Policy"), ANSI Patent Policy Guidelines ("Guidelines") and other substantive documents relating to the Patent Policy or Guidelines (such as forms, white papers or other communications that seek to recommend interpretations or implementations) must be conducted by Letter Ballot and shall require approval by two-thirds (2/3) of the combined “yes” and “no” votes cast (not including abstentions) by current IPRPAG voting members in which “yes” votes come from at least a majority of the current IPRPAG members eligible to vote.

Majority Votes: All other IPRPAG recommendations can be taken by a vote in which a majority of the voting members return ballots (“yes”, “no” or “abstain”) or at a meeting at which a quorum is present. A decision is determined by a majority of the “yes” and “no” votes cast (not including abstentions) by the current voting IPRPAG members.

An anonymized tally of all votes as well as any comments (without attribution) that may accompany such votes, will be shared by staff with all members of the IPRPAG and with other groups within ANSI as appropriate.

9. Disclosure Policy for Consultants/Advisors

As a supplement to the ANSI Code of Conduct, and to ensure that each ANSI voting member votes only once on matters coming before the IPRPAG, each IPRPAG voting member who is a consultant or advisor shall provide the ANSI IPRPAG Secretary at the beginning of each year (or whenever a consulting or advisory relationship is created), with an answer to the question in subsection “a” and the additional information requested in subsection “b” if appropriate:

a. During the past three years, have you, either directly or indirectly (for example, through an entity in which you hold a controlling interest), received any compensation, financial or otherwise, in a

consultancy or advisory capacity from: 1) any person currently or then serving as a voting member of the IPRPAG; or 2) such person's employer; or 3) an entity in which such person holds a controlling interest?

b. If so, identify to the IPRPAG Secretary each such source of compensation, the nature of the consulting relationship and any other information you think relevant.

For the purpose of this Section, a "consultant" or "advisor" is someone not an employee of an ANSI member who provides professional advice or representation to an ANSI member in exchange for compensation, financial or otherwise. A consultant or advisor does not include a retired or former employee of an ANSI member who continue to works exclusively for the same ANSI Member, as long as his/her affiliation is disclosed.

The IPRPAG Secretary will provide the information and data received from IPRPAG members in response to subsection "b" on the IPRPAG confidential homepage under "Disclosure Policy" at the beginning of each year.

10. Subcommittees and Task Forces of the IPRPAG

The IPRPAG by a majority vote or the IPRPAG Chair for good cause may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of task forces and any other subcommittees established by the IPRPAG shall be appointed by the IPRPAG Leadership Team from the members of the IPRPAG. Under special circumstances, subcommittees and task forces may be limited to voting members of the IPRPAG or their designee at the discretion of the IPRPAG Chair.

The ANSI Copyright Task Force is a standing task force of the IPRPAG that provides views and proposes policies regarding exploitation rights to the copyright in standards and the recognition of copyright protection for standards by courts, legislatures, regulatory bodies, industry and others. The Chair shall serve for two years and shall be eligible to serve for a maximum of two full consecutive terms.

Any positions or recommendations of any subcommittee or task force of the IPRPAG (e.g., to disband such subcommittee or task force, to approve amendments to the Patent Policy or Guidelines, to publish positions or approve new policies) shall be submitted by the Chair of such subcommittee or task group to the IPRPAG for approval.

Operating Procedures of the International Policy Advisory Group (IPAG)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals and consistent with the ANSI By-Laws approved by the ANSI Board of Directors in June 2019, the ANSI Board has established three Policy Advisory Groups ("PAGs"), each reporting to the ANSI Board Executive Committee ("Executive Committee"): the National Policy Advisory Group ("NPAG"), the International Policy Advisory Group ("IPAG") and the Intellectual Property Rights Policy Advisory Group ("IPRPAG"). These PAGs: (i) provide a place for discussion, analyses and recommendations from experts and other parties who have an interest in the subject matter of the PAG; (ii) provide a mechanism for "early warning" of relevant trends within the expertise of the PAG; (iii) address issues of interest to the PAG; and (iv) identify broader-based issues and trends and, where appropriate, recommend that they be addressed by the Executive Committee. ANSI's policies, including the ANSI Code of Conduct, apply to all persons participating in PAG activities.

These Operating Procedures set forth the rules of procedure for the IPAG and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

The International Policy Advisory Group shall provide views and propose policies regarding regional and international standards and conformity assessment issues, including related public policy issues. The IPAG shall respond to requests for input from the Board, Executive Committee, Committees of ANSI, Forums and other PAGs.

2. IPAG Membership and Membership Rights

Membership in the IPAG is open to all interested ANSI members[1] (other than Basic and International members). Participation in the IPAG is by voting and/or non-voting membership as follows:

Interested ANSI members may designate one (1) representative as its voting member on the IPAG. Once approved by the ExCo, voting members have the right to: (i) access all IPAG documents, including meeting minutes and agendas; (ii) participate in electronic communications and correspondence (*e.g.*, emails, Confluence exchanges, etc.); (iii) attend all IPAG meetings; (iv) participate in discussions at all IPAG meetings; and (v) vote on matters coming before the IPAG.

Interested ANSI members may also designate one (1) non-voting representative to the IPAG (in addition to or in lieu of a designated voting member). Non-voting members, who do not require ExCo approval, have

[1] As delineated in Section 2.01 of the By-Laws.

the right to: (i) access all IPAG documents, including meeting minutes and agendas; (ii) attend IPAG meetings, subject to space limitations, either in person or via appropriate electronic means, with in person attendance subject to space limitations; and (iii) participate in discussions at IPAG meetings and/or participate in electronic communications and correspondence, subject to time limitations. The IPAG Chair, with input from the IPAG Secretary, shall make decisions relative to space and time limitations that impact non-voting member participation. With permission of the Chair, colleagues or other representatives of voting or non-voting members may be designated to attend IPAG meetings remotely and passively, via appropriate electronic means.

3. Voting vs. Non-voting Status

Voting members are generally those who wish to actively and consistently participate in IPAG meetings, debates, task forces and votes. They should ideally have experience in regarding regional and international standards and conformity assessment issues, including related public policy issues, and are expected to attend meetings and have read materials distributed in advance of meetings. They are also expected to commit the time and resources that are necessary and appropriate to fulfill the purpose of the IPAG.

Non-voting members are generally those ANSI member representatives who are not active in the IPAG and wish to make a less substantial commitment to the work of the IPAG. They are often involved in the IPAG primarily for informational purposes, to be included on any distribution list and may attend meetings from time to time. However, non-voting members may also include a single additional representative of an ANSI member who has not himself/herself been designated the IPAG voting member for that ANSI Member.

Voting and non-voting members may become (and stay) involved in the IPAG as follows:

Voting Members. All voting members shall be approved by the ANSI Executive Committee. ANSI members who wish to designate a voting representative to the IPAG, shall indicate their interest in or around June of each year in response to ANSI's formal call for nominations. Voting members shall serve for terms of three years and, if they remain eligible, be entitled to serve an unlimited number of terms. Voting members must stay active: repeated failure during a calendar year to respond on items for decision, requests for comments or meeting attendance (in person or remotely) will result in removal of an IPAG voting member at the end of the calendar year, even if the member has additional years remaining in their term. There is a limit of one voting member of the IPAG from any single ANSI member.

Non-voting Members. ANSI members who wish to designate a non-voting representative to the IPAG may register such representative to participate as a non-voting member of the IPAG by contacting the ANSI membership department. Non-voting members do not serve for specific terms and may remain on the IPAG as long as they are otherwise eligible to serve.

Mid-term appointments to voting status on the IPAG will be considered by the Chair of the ANSI Board of Directors if: (i) a new ANSI member (joining outside the normal nomination cycle) wishes to engage immediately in the PAG's activity; or (ii) a resignation or departure by a voting member occurs outside the normal nominating cycle. Such “mid-term” changes will be resolved by the Chair of the ANSI Board on a case-by-case basis.

4. Alternates

On any matters requiring a vote either at a meeting of the IPAG or via Letter Ballot, a current voting member may appoint a temporary alternate upon prior written notice sent by electronic means to the IPAG Chair and IPAG Secretary.

5. Officers

The Chair of the Board shall appoint the Chair of the IPAG subject to approval by the Board. The Chair shall serve for two years and shall be eligible to serve for a maximum of two full consecutive terms. The Chair of the IPAG shall maintain impartiality at all times and shall not be entitled to vote on any matters brought to a vote before the IPAG. However, the ANSI member with whom the Chair is affiliated may appoint an IPAG voting member (and alternate, *see* above), apart from the Chair.

The Chair of the Board may also appoint a Vice Chair (together with the IPAG Chair, the "IPAG Officers") to serve for two years and who shall be eligible to serve for a maximum of two full consecutive terms. The Vice Chair shall assist the Chair with matters that come before the IPAG and may substitute as Chair at any meeting in which the Chair is unable to attend. A staff member designated by the ANSI President shall serve as the non-voting Secretary of the IPAG.

In any year in which the current IPAG Chair or a Vice Chair's term is to expire, the IPAG Officers shall appoint a Nominating Committee for the purpose of evaluating candidates, by majority vote, for the next IPAG Chair and Vice Chair(s). The Nominating Committee shall consist of at least three voting members of the IPAG. The IPAG Officers shall make every effort to ensure that the Nominating Committee is representative of the diversity of organizations and viewpoints participating in the IPAG.

In each such year, the Secretary will issue a call to the IPAG voting members to solicit interested candidates for any open positions. By October 1 of such year, interested candidates shall furnish to the Secretary a biographical statement setting forth the candidate's relevant qualifications. Based on this information, by November 1, the Nominating Committee shall recommend to the ANSI Board Chair (via the IPAG Secretary) proposed nominees for open IPAG Chair and/or Vice Chair(s) positions.

6. Meetings and Agendas

Meetings of the IPAG generally shall be held two times a year with such additional meetings as are deemed necessary or desirable at the discretion of the IPAG Chair and approved by a majority of the IPAG. At any meeting of the IPAG, the presence (either in person or via appropriate electronic means) of a majority of the current voting membership (*i.e.*, the authorized voting membership not counting vacancies) shall constitute a quorum.

Notice of the time and place of meetings of the IPAG shall be given by the IPAG secretary. Written notice shall be sent by electronic means to each member of the IPAG at least forty-five (45) calendar days before the meeting. Meetings of the IPAG may be attended by voting members or their alternates and, space permitting, by non-voting members. Attendance may be either in person or via appropriate electronic means. Non-member guests may also be invited by the IPAG Chair, if and when relevant to the work of the IPAG, space permitting.

All suggestions for agenda items must be submitted to the IPAG Secretary at least four weeks before an IPAG meeting, unless allowed by the Chair on shorter notice. The IPAG Officers shall make the final decision on which agenda items will be included in a meeting agenda. Unless otherwise allowed by the Chair on shorter notice, the Secretary of the IPAG will cause the agenda and all related materials (except summary presentations, see below) to be distributed to voting and non-voting members of the IPAG reflecting the items to be considered at least two weeks before an IPAG meeting. With respect to agenda items and related materials distributed later than two weeks prior to an IPAG meeting, the Chair shall ask if there is objection to discuss the later-delivered documents.

Presentations that summarize a speaker's intended remarks, for example PowerPoint Presentations, are not

subject to the "two-week" distribution rule as they are normally prepared in the days immediately preceding the IPRPAG meeting by various IPRPAG members and staff. These presentations will be distributed ideally two days before the meeting.

The Secretary of the IPAG will prepare a report of each IPAG meeting, which will be circulated as soon as practicable after the meeting. The meeting report shall be approved by the IPAG either between meetings or at the next scheduled meeting. Such meeting report shall succinctly report on motions and their disposition as well as significant points of discussion, together with follow-up responsibilities.

7. Voting Requirements

Recommendations by the IPAG may be approved by voting either at an IPAG meeting or by Letter Ballots between meetings, depending on the nature of the recommendation and the applicable timetable.

a) Simple majority of the current voting membership;
b) Two-thirds of those voting members present.

Action via letter ballot shall require approval by a simple majority of the current voting membership.

All votes (including the identity of the voting member) as well as any comments that may accompany such votes, will be shared by staff with all members of the IPAG and with other groups within ANSI as appropriate.

8. Authorization of Letter Ballots

The IPAG, in session, or the Chair of the IPAG may authorize the Secretary to distribute letter ballots. Letter ballots shall be closed on the twentieth (20^{th}) working day following the date of issue, unless extended by the Chair to allow for a quorum to respond. The Chair, for good cause and with the concurrence of the IPAG Secretary, may authorize a shorter interval for letter ballots. Non-responses to shortened ballots will not count as a violation of a voting member's obligation to vote as outlined above. When the letter ballot has been closed, the Secretary shall report the results to the IPAG.

9. Disclosure Policy for Consultants/Advisors

As a supplement to the ANSI Code of Conduct, and to ensure that each ANSI voting member votes only once on matters coming before the IPAG, each IPAG voting member who is a consultant or advisor shall provide the ANSI IPAG Secretary at the beginning of each year (or whenever a consulting or advisory relationship is created), with an answer to the question in subsection “a” and the additional information requested in subsection “b” if appropriate:

a. During the past three years, have you, either directly or indirectly (for example, through an entity in which you hold a controlling interest), received any compensation, financial or otherwise, in a consultancy or advisory capacity from: 1) any person currently or then serving as a voting member of the IPAG; or 2) such person’s employer; or 3) an entity in which such person holds a controlling interest?

b. If so, identify to the IPAG Secretary each such source of compensation, the nature of the consulting relationship and any other information you think relevant.

For the purpose of this Section, a “consultant” or “advisor” is someone not an employee of an ANSI member who provides professional advice or representation to an ANSI member in exchange for compensation, financial or otherwise. A consultant or advisor does not include a retired or former employees of an ANSI member who must continue to works exclusively for the same an ANSI Member, as long as his/her its

affiliation is disclosed.

The IPAG Secretary will provide the information and data received from IPAG members in response to subsection "b" on the IPAG confidential homepage under "Disclosure Policy" at the beginning of each year.

10. Subcommittees and Task Forces of the IPAG

The IPAG by a majority vote or the IPAG Chair for good cause may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of task forces and any other subcommittees established by the IPAG shall be appointed by the Chair of the IPAG from the members of the IPAG. Subcommittees and Task Forces may be limited to voting members of the IPAG at the discretion of the IPAG Chair. Under special circumstances, subcommittees and task forces may be limited to voting members of the NPAG or their designee at the discretion of the NPAG Chair.

The ANSI National and International Conformity Assessment Committee ("NICAC") is a joint standing committee of the NPAG and IPAG that, in accordance with the NICAC Operating Procedures, is responsible for: (i) formulating ANSI policy positions on overarching[2] international conformity assessment policy matters for consideration by the IPAG; and (ii) formulating ANSI policy recommendations on national conformity assessment policy matters for consideration by the NPAG. The NICAC reports to the NPAG and IPAG and its Chair is appointed jointly by the NPAG and IPAG Chairs. The NICAC will also serve, independent of IPAG and NPAG, as an ANSI-accredited US/TAG responsible for developing U.S. comments and consensus positions on standards developed by the ISO Committee on Conformity Assessment ISO/CASCO.

Any positions or recommendations of any subcommittee or task force of the IPAG (*e.g.*, to disband such subcommittee or task force, to approve amendments to the Patent Policy or Guidelines, to publish positions or approve new policies) shall be submitted by the Chair of such subcommittee or task group to the IPAG for approval.

[2] NICAC will only address broad, overarching strategic international policy issues. Issues that are ISO-specific are addressed by the ANSI ISO Council, issues that are IEC-specific are addressed by the USNC Conformity Assessment Policy Coordinating Committee under the USNC Council, and issues that are IAF-specific and ILAC-specific are addressed by the ANSI National Accreditation Board (ANAB).

Operating Procedures of the ANSI National Policy Advisory Group (NPAG)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating institution for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. ANSI's purpose is to, among other things, further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in achieving (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals and consistent with the ANSI By-Laws approved by the ANSI Board of Directors in June 2019, the ANSI Board Directors has established three Policy Advisory Groups ("PAGs"), each reporting to the ANSI Board Executive Committee ("Executive Committee"): the National Policy Advisory Group ("NPAG"), the International Policy Advisory Group ("IPAG") and the Intellectual Property Policy Advisory Group ("IPRPAG"). These PAGs: (i) provide a place for discussion, analyses and recommendations from experts and other parties who have an interest in the subject matter of the PAG; (ii) provide a mechanism for "early warning" of relevant trends within the expertise of the PAG; (iii) address issues of interest to the PAG; and (iv) identify broader-based issues and trends and, where appropriate, recommend that they be addressed by the Executive Committee.

These Operating Procedures set forth the rules of procedure for the NPAG and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

The NPAG provides views and propose policies regarding national standards and conformity assessment issues, including related public policy issues. The NPAG shall respond to requests for input from the Board, Executive Committee, Committees of ANSI, Forums and other PAGs.

2. NPAG Membership and Membership Rights

Membership in the NPAG is open to all interested ANSI members[1] (other than Basic and International members). Participation in the NPAG is by voting and/or non-voting membership as follows:

Interested ANSI members may designate one (1) representative as its voting member on the NPAG. Once approved by the ExCo, voting members have the right to: (i) access all NPAG documents, including meeting minutes and agendas; (ii) participate in electronic communications and correspondence (*e.g.*, emails, Confluence exchanges, etc.); (iii) attend all NPAG meetings; (iv) participate in discussions at all NPAG meetings; and (v) vote on matters coming before the NPAG.

Interested ANSI members may also designate one (1) non-voting representative to the NPAG (in addition to or in lieu of a designated voting member). Non-voting members, who do not require ExCo approval, have the right to: (i) access all NPAG documents, including meeting minutes and agendas; (ii) attend NPAG meetings, either in person or via appropriate electronic means, with in person attendance subject to space limitations; and (iii) participate in discussions at NPAG meetings and/or participate in electronic

[1] As delineated in Section 2.01 of the By-Laws.

communications and correspondence, subject to time limitations. The NPAG Chair, with input from the NPAG Secretary, shall make decisions relative to space and time limitations that impact non-voting member participation. With permission of the Chair, colleagues or other representatives of voting or non-voting members may be designated to attend NPAG meetings remotely and passively, via appropriate electronic means.

3. Voting vs. Non-voting Status

Voting members are generally those who wish to actively and consistently participate in NPAG meetings, debates, task forces and votes. They should ideally have experience in regarding regional and international standards and conformity assessment issues, including related public policy issues, and are expected to attend meetings and have read materials distributed in advance of meetings. They are also expected to commit the time and resources that are necessary and appropriate to fulfill the purpose of the NPAG.

Non-voting members are generally those ANSI member representatives who are not active in the NPAG and wish to make a less substantial commitment to the work of the NPAG. They are often involved in the NPAG primarily for informational purposes, to be included on any distribution list and may attend meetings from time to time. However, non-voting members may also include a single additional representative of an ANSI member who has not himself/herself been designated the NPAG voting member for that ANSI Member.

Voting and non-voting members may become (and stay) involved in the NPAG as follows:

> *Voting Members*. All voting members shall be approved by the ANSI Executive Committee. ANSI members who wish to designate a voting representative to the NPAG, shall indicate their interest in or around June of each year in response to ANSI's formal call for nominations. Voting members shall serve for terms of three years and, if they remain eligible, be entitled to serve an unlimited number of terms. Voting members must stay active: repeated failure during a calendar year to respond on items for decision, requests for comments (in person or remotely) or meeting attendance will result in removal of an NPAG voting member at the end of the calendar year, even if the member has additional years remaining in their term. There is a limit of one voting member of the NPAG from any single ANSI member.
>
> *Non-voting Members*. ANSI members who wish to designate a non-voting representative to the NPAG may register such representative to participate as a non-voting member of the NPAG by contacting the ANSI membership department. Non-voting members do not serve for specific terms and may remain on the NPAG as long as they are otherwise eligible to serve.

Mid-term appointments to voting status on the NPAG will be considered by the Chair of the ANSI Board of Directors if: (i) a new ANSI member (joining outside the normal nomination cycle) wishes to engage immediately in the PAG's activity; or (ii) a resignation or departure by a voting member occurs outside the normal nominating cycle. Such “mid-term” changes will be resolved by the Chair of the ANSI Board on a case-by-case basis.

4. Alternates

On any matters requiring a vote either at a meeting of the NPAG or via Letter Ballot, a current voting member may appoint a temporary alternate upon prior written notice sent by electronic means to the NPAG Chair and NPAG Secretary.

5. Officers

The Chair of the Board shall appoint the Chair of the NPAG subject to approval by the Board. The Chair shall serve for two years and shall be eligible to serve for a maximum of two full consecutive terms. The

Chair of the NPAG shall maintain impartiality at all times and shall not be entitled to vote on any matters brought to a vote before the NPAG. However, the ANSI member with whom the Chair is affiliated may appoint an NPAG voting member (and alternate, *see* above), apart from the Chair.

The Chair of the Board may also appoint a Vice Chair (together with the NPAG Chair, the "NPAG Officers") to serve for two years and who shall be eligible to serve for a maximum of two full consecutive terms. The Vice Chair shall assist the Chair with matters that come before the NPAG and may substitute as Chair at any meeting in which the Chair is unable to attend. A staff member designated by the ANSI President shall serve as the non-voting Secretary of the NPAG.

In any year in which the current NPAG Chair or a Vice Chair's term is to expire, the NPAG Officers shall appoint a Nominating Committee for the purpose of evaluating candidates by majority vote, for the next NPAG Chair and Vice Chair. The Nominating Committee shall consist of at least three voting members of the NPAG. The NPAG Officers shall make every effort to ensure that the Nominating Committee is representative of the diversity of organizations and viewpoints participating in the NPAG.

In each such year, the Secretary will issue a call to the NPAG voting members to solicit interested candidates for any open positions. By October 1 of such year, interested candidates shall furnish to the Secretary a biographical statement setting forth the candidate's relevant qualifications. Based on this information, by November 1, the Nominating Committee shall recommend to the ANSI Board Chair (via the NPAG Secretary) proposed nominees for open NPAG Chair and/or Vice Chair positions.

6. Meetings and Agendas

Meetings of the NPAG generally shall be held two times a year with such additional meetings as are deemed necessary or desirable at the discretion of the NPAG Chair and approved by a majority of the NAPG. At any meeting of the NPAG, the presence (either in person or via appropriate electronic means) of a majority of the current voting membership (*i.e.*, the authorized voting membership not counting vacancies) shall constitute a quorum.

Notice of the time and place of meetings of the NPAG shall be given by the NPAG secretary. Written notice shall be sent by electronic means to each member of the NPAG at least forty-five (45) calendar days before the meeting. Meetings of the NPAG may be attended by voting members, non-voting members and alternates. Attendance may be either in person or via appropriate electronic means. Non-member guests may also be invited by the NPAG Chair, if and when relevant to the work of the NPAG, space permitting

All suggestions for agenda items must be submitted to the NPAG Secretary at least four weeks before an NPAG meeting, unless allowed by the Chair on shorter notice. The NPAG Officers shall make the final decision on which agenda items will be included in a meeting agenda. Unless otherwise allowed by the Chair on shorter notice, the Secretary of the NPAG will cause the agenda and all related materials (except summary presentations, see below) to be distributed to voting and non-voting members of the NPAG reflecting the items to be considered at least two weeks before an NPAG meeting. With respect to agenda items and related materials distributed later than two weeks prior to an NPAG meeting, the Chair shall ask if there is objection to discuss the later-delivered documents.

Presentations that summarize a speaker's intended remarks, for example PowerPoint Presentations, are not subject to the "two-week" distribution rule as they are normally prepared in the days immediately preceding the NPAG meeting by various NPAG members and staff. These presentations will be distributed ideally two days before the meeting.

The Secretary of the NPAG will cause a summary of each NPAG meeting to be prepared and circulated as soon as practicable after the meeting. The meeting summary shall be approved by the NPAG at the next

scheduled meeting. Such meeting report shall succinctly report on motions and their disposition as well as significant points of discussion, together with follow-up responsibilities.

7. Authorization of NPAG Letter Ballots

The NPAG, in session, or the Chair of the NPAG may authorize the Secretary to distribute letter ballots. Letter ballots shall be closed on the 20th working day following the date of issue, when all ballots are returned, or on a different schedule when authorized by the Chair. When the letter ballot has been closed, the Secretary shall report the results to the NPAG.

8. Voting Requirements

Action at a meeting at which a quorum is present may be taken by the lesser of the following alternate requirements.

a) Simple majority of the current voting membership;
b) Two-thirds of those voting members present.

Action via letter ballot shall require approval by a simple majority of the current voting membership.

The Chair and NPAG voting members are expected to give due consideration to the views of non-voting members and others in seeking consensus or resolution if a vote is required.

9 . Disclosure Policy for Consultants

As a supplement to the ANSI Code of Conduct, and to ensure that each ANSI voting member votes only once on matters coming before the NPAG, each NPAG voting member shall provide the ANSI NPAG Secretary at the beginning of each year (or whenever a consulting or advisory relationship is created), with an answer to the question in subsection "a" and the additional information requested in subsection "b" if appropriate:

a. During the past three years, have you, either directly or indirectly (for example, through an entity in which you hold a controlling interest), received any compensation, financial or otherwise, in a consultancy or advisory capacity from: 1) any person currently or then serving as a voting member of the NPAG; or 2) such person's employer; or 3) an entity in which such person holds a controlling interest?

b. If so, identify to the NPAG Secretary each such source of compensation, the nature of the consulting relationship and any other information you think relevant.

For the purpose of this Section, a "consultant" or "advisor" is someone not an employee of an ANSI member who provides professional advice or representation to an ANSI member in exchange for compensation, financial or otherwise. A consultant or advisor does not include a retired or former employees of an ANSI member who must continue to works exclusively for the same an ANSI Member, as long as his/her its affiliation is disclosed.

The NPAG Secretary will provide the information and data received from NPAG members in response to subsection "b" on the NPAG confidential homepage under "Disclosure Policy" at the beginning of each year.

10. The Committee on Education, the NICAC, Subcommittees and Task Forces of the NPAG

The ANSI Committee on Education is a Standing Committee of the NPAG. The ANSI CoE oversees all Institute initiatives related to standards and conformity assessment education and outreach, fulfills the objectives of the *U.S. Standards Strategy* (USSS), and responds to other duties that may be delegated by the Board of Directors, Executive Committee, or the NPAG.

The ANSI National and International Conformity Assessment Committee ("NICAC") is a joint standing committee of the NPAG and IPAG that, in accordance with the NICAC Operating Procedures, is responsible for: (i) formulating ANSI policy positions on overarching[2] international conformity assessment policy matters for consideration by the IPAG; and (ii) formulating ANSI policy recommendations on national conformity assessment policy matters for consideration by the NPAG. The NICAC reports to the NPAG and IPAG and its Chair is appointed jointly by the NPAG and IPAG Chairs. The NICAC will also serve, independent of IPAG and NPAG, as an ANSI-accredited US/TAG responsible for developing U.S. comments and consensus positions on standards developed by the ISO Committee on Conformity Assessment ISO/CASCO.

The NPAG by a majority vote or the NPAG Chair for good cause may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of task forces and any other subcommittees established by the NPAG shall be appointed by the Chair of the NPAG from the members of the NPAG. Under special circumstances, subcommittees and task forces may be limited to voting members of the NPAG or their designee at the discretion of the NPAG Chair.

Any positions or recommendations of any committee or task force of the NPAG (*e.g.*, to disband such committee or task force, to publish positions or approve new policies) shall be submitted by the Chair of such committee or task group to the NPAG for approval.

[2] NICAC will only address broad, overarching strategic international policy issues. Issues that are ISO-specific are addressed by the ANSI ISO Council, issues that are IEC-specific are addressed by the USNC Conformity Assessment Policy Coordinating Committee under the USNC Council, and issues that are IAF-specific and ILAC-specific are addressed by the ANSI National Accreditation Board (ANAB).

Operating Procedures of the United States National Committee of the IEC (USNC) Council

Edition: January 1, 2020

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INTRODUCTION

The responsibility for United States representation in the IEC and other electrotechnical bodies associated with the IEC has been delegated by the ANSI Board of Directors ("ANSI Board") to the United States National Committee of the IEC Council ("USNC Council") whose responsibilities are set forth in the United States National Committee ("USNC") Statutes and Rules. The responsibility for the USNC shall be exclusively exercised by the USNC Council, an ANSI International Relations Committee, subject to the oversight of the ANSI Board Executive Committee ("Executive Committee"). In accordance with Section 4.07 of the ANSI By-Laws, approved by the ANSI Board in June 2019, the USNC Council reports to the Executive Committee.

These Operating Procedures set forth the rules of procedure governing the USNC Council and may be amended from time to time by the Executive Committee.

1. USNC Council Responsibilities and Functions

The responsibilities of the USNC Council shall include, but not be limited to, the following:

1. Representing and coordinating the United States involvement in the IEC and other electrotechnical bodies associated with the IEC concerning IEC standardization and conformity-assessment issues on behalf of ANSI;
2. Recommending to the Finance Committee and the Executive Committee an annual budget to cover IEC-related activities;
3. Managing programs and adjudicating disputes arising from authorized USNC activities;
4. Promoting consistency between international and national activities that fall within the scope of the IEC;
5. Reporting annually to the Board on United States participation in IEC activities and coordinating with the International Policy Advisory Group ("IPAG") on issues affecting United States interests in more than one international forum; and
6. Establishing, as appropriate, Technical Advisory Groups to cover United States participation in IEC activities.

By-Laws, Section 4.07

2. USNC Council Membership and Membership Rights

The USNC Council shall be comprised of the following members of the USNC duly elected from the USNC by its entire membership and consented to by the Executive Committee:

a) The Officers of the USNC:
   i. The USNC Council Chair;
   ii. The USNC Council Chair-Elect;
   iii. Three (3) Vice Chairs; and
   iv. The Immediate Past-Chair.
b) Elected representatives of organizations administering TAGs and/or Secretariats and from Premier Members;

c) Elected Government representatives;
d) An elected consumer advocate;
e) The Chairs of the Standing Committees not otherwise members of Council (*ex-officio,* without vote);
f) The President of ANSI (*ex-officio,* without vote);
g) The Chair of the IPAG (*ex-officio,* without vote); and
h) IEC Officers from the US (*ex-officio,* without vote).

USNC Council members will have the right to: (i) access all USNC Council documents, including meeting minutes and agendas; (ii) participate in electronic communications and correspondence; (iii) attend all USNC Council meetings; (iv) participate in discussions at all USNC Council meetings; and (v) vote on all matters coming before the USNC Council.

Except for *ex-officio* members, the term of office for individuals elected to the USNC Council is three (3) years. Such members may seek reelection to an unlimited number of consecutive three (3) year terms. To the extent possible, terms should be staggered for USNC Council members.

3. USNC Council Member Responsibilities

USNC Council members are expected to actively participate in USNC Council meetings, debates and votes. They should have sufficient experience to offer recommendations on positions the USNC should take as the member body to IEC as well as make decisions on the responsibilities set forth about in Section 1. USNC Council members have the obligation to read materials distributed in advance of meetings and commit the time and resources that are necessary and appropriate to fulfill the missions of the USNC.

USNC Council members are the members themselves, not the entity with which they are affiliated. Serving in such capacity, USNC Council members act as fiduciaries to ANSI and are required to act in the best interest of ANSI. USNC Council members act as fiduciaries to ANSI when they make decisions on behalf of ANSI. The USNC Council members, therefore, also are required to abide by ANSI's Conflict of Interest and Related Party Transaction Policy, as well as the ANSI Code of Conduct and Section 10 of these Procedures.

On any matters requiring a vote at either a meeting of the USNC Council or via Letter Ballot, a current voting member may appoint a temporary alternate upon prior written notice to the USNC Council Chair and USNC Council Secretary.

In addition, certain USNC Council members have specific responsibilities as set forth in the USNC Statutes.

4. USNC Council Officers

4.1. USNC Council Chair

Except as may be extended by the ANSI Board, the Chair shall be elected by the USNC members to a three (3) year term in accordance with the USNC Rules of Procedure . The Chair may seek reelection to a second, consecutive three (3) year term. These terms may be in addition

to any partial term served. After a one-year hiatus, they may seek election to the same office as a first term candidate.

4.2. USNC Council Chair-Elect

A Chair-Elect shall be elected to serve for the last one (1) year of the Chair's final term. During this one-year term, the Chair-Elect will serve as a USNC Officer and a voting member of the USNC Council. At the end of that year, the Chair-Elect shall become the USNC Chair.

4.3. USNC Council Vice Chairs

There shall be three (3) USNC Vice Chairs: (i) a Vice Chair – Finance, (ii) a Vice Chair – Technical, and (iii) a Vice Chair – Electrotechnical Conformity Assessment The Vice Chairs are elected to three (3) year terms. Each Vice Chair may seek reelection to a second, consecutive three (3) year term. These terms may be in addition to any partial term served. After a one-year hiatus, they may seek election to the same office as a first term candidate.

4.4. USNC Council Immediate Past-Chair

The USNC Council Immediate Past-Chair shall serve as an Officer for two years following the conclusion of his or her term of office, *ex-officio*, without vote, and may have the privilege of the floor at all meetings

4.5. USNC General Secretary

The USNC General Secretary is an ANSI staff employee who provides support for the USNC Council. The General Secretary, or ANSI staff designee, participates directly in all USNC Council meetings, including Officer Meetings, without vote. The General Secretary is nominated by the ANSI President and USNC Council Chair, and is subject to the approval of the USNC Council. The USNC Council may, by a two-thirds (2/3) vote, request replacement of the General Secretary.

4.6. Deputy General Secretary

A USNC Deputy General Secretary may be appointed by the General Secretary, subject to the approval of the USNC Council, and will report to the General Secretary.

5. Nominations and Elections

The USNC Council shall approve a Nominations Committee of not less than five (5) members from among the members of the USNC to serve until December 31. The Nominations Committee should not include individuals whose current terms of office are expiring at the end of the year such that they may be candidates for one or more positions.

The Nominations Committee shall:

a) Review qualifications and nominate qualified candidates for open USNC Council Officer positions and open positions on the USNC Council;

b) Provide periodic reports to the USNC Council;

c) Recommend modifications to the criteria for such positions contained in the USNC Rules of Procedure; and

d) Recommend, periodically, to Council qualified candidates for award programs such as IEC, ANSI, and other relevant electrotechnical award opportunities.

By majority vote, on or before October 1 in which elections are necessary, the Nominations Committee shall submit to the General Secretary:

a) A list of all qualified candidates nominated for election as a USNC Council Officer that shall be circulated for vote to the USNC Council; and
b) A list of all qualified candidates nominated for election to the USNC Council that shall be circulated for vote to the USNC voting members.

Candidate qualifications are listed in the USNC Rules of Procedure.

The candidates receiving the plurality of votes shall be declared elected. The nomination and election procedures shall be timed to permit a closing date for the ballots no later than December 1. In the event of a vacancy in any USNC-elected position, including USNC Officers or members of the USNC Council, the USNC Council may elect a suitable person to fill the unexpired term.

By October 1 of the penultimate year of the USNC Chair's statutory term limit of six years (unless he/she chooses to serve only one three-year term, in which case the penultimate year of the first term), the Nominations Committee shall nominate, per the process above, and the USNC voting membership shall elect, a Chair-Elect who will serve for one (1) year after which he or she will become the USNC Chair. If the Chair-Elect is one of the current Vice Chairs, the Vice Chair position shall be relinquished.

Unless otherwise noted, in all USNC elections, votes may be taken either by electronic letter ballot or at a meeting.

6. Meetings and agendas

Meetings of the USNC Council shall take place as often as necessary to carry forward the regular business of the USNC. Meetings of the USNC Council may be called at the Chair's discretion or at the request of five (5) members. Notice of the time and place of meetings of the USNC Council shall be given by the secretary. Except as otherwise stated, the number of members necessary for quorum shall be greater than 50% of the members of the Committee. A quorum is required to make decisions but not to hold a meeting.

Written notice shall be sent by mail or electronic means to each member of the USNC Council at least forty-five (45) days before the meeting. The secretary of the USNC Council will cause an agenda and related materials to be distributed to the members of the USNC Council reflecting the principal items to be considered approximately ten (10) days before an USNC Council meeting. The Secretary of the USNC Council will prepare a report of each USNC Council meeting, which will be circulated as soon as practicable after the meeting. Meetings of the USNC Council may be attended only by USNC Council members, unless otherwise authorized by the USNC Council Chair.

7. Voting requirements

Except as otherwise stated, matters considered at meetings of the USNC Council shall be decided by a simple majority vote of those present and voting once a quorum is established. In preparing the agenda for Council meetings, the appropriate secretary shall, as far as possible, list all the documents related to the various items for discussion and voting. Relevant documents should be circulated at least three (3) weeks prior to the meeting

Except where otherwise covered by these operating procedures, USNC Council electronic ballots shall be decided by a simple majority of the members voting, providing greater than 50% of the members return their ballots. Electronic ballots shall normally close two (2) weeks from issue. The General Secretary shall establish and operate a follow-up procedure to encourage a maximum return. Electronic ballots shall be authorized by the Chair of the USNC or by not less than four (4) members of the USNC Council. On items where expeditious returns are required, electronic ballots can be circulated with a one (1) week return date with the response to be returned to the General Secretary. The same voting criteria as defined under electronic ballots shall be followed.

Proposed changes to these USNC Council Operating Proceudres shall be reviewed and approved by the USNC Council and ANSI's Executive Committee. ANSI's General Counsel or outside legal counsel shall provide a review of proposed changes prior to the distribution to the USNC Council. Modifications and reasons for these changes shall be made available to the USNC Council members at least 30 days before the USNC Council meeting where the vote on these modifications shall be taken. Votes for approval may be obtained by recorded votes at a meeting or by electronic means. All members of the USNC Council shall have the opportunity to vote. When recorded votes are taken at meetings, members who are absent shall be given the opportunity to vote before or after the meeting. Final approval by the USNC Council of proposed changes to these Operating Procedures requires a two-thirds (2/3) vote before submission to the ANSI Board of Directors for final approval.

The General Secretary shall forward the views and objections received to the Chair. The Chair shall determine the process by which all expressed views and objections shall be considered. Prompt consideration shall be given to the expressed views and objections of all members. A concerted effort to resolve all expressed objections shall be made with the reason(s) for the final decision to be provided in writing. Any objection and attempt at resolution shall be reported to the USNC Council in writing to afford all members with an opportunity, within appropriate time limits, to respond, reaffirm, or change their position.

8. Conflict of interest

In addition to complying with ANSI's Conflict of Interest Policy, USNC Council members shall act at all times in a manner that promotes confidence in the integrity and impartiality of the USNC Council and avoid a conflict of interest or the appearance of a conflict of interest in connection with all USNC Council activities. A conflict of interest can arise from involvement by an USNC Council member with the subject matter of an issue, an inconsistent duty of fidelity to the USNC Council's employer, an institutional position held by the USNC Council's employer, dispute under consideration by the USNC Council or from any relationship between the USNC Council member and a party to an action or appeal before the USNC Council, whether past or present, that reasonably raises a question of an USNC Council member's impartiality.

Any voting member who believes they have a conflict of interest should advise the AIC Chair and seek to be recused from deliberations or decisions that raise the potential for such conflict. In addition, if a directly and materially affected party believes a member of the USNC Council has or may have a conflict of interest, that party is required to state the reason(s) for its belief. That information shall then be forwarded to the identified USNC Council member for that member's response. If that USNC Council member disagrees with the assertion, the Chair of the USNC Council shall make a final determination as to whether a conflict of interest exists.

Members of the USNC Council who are disqualified from a particular discussion shall not participate in the deliberations or decisions.

9. USNC appeals procedures

Directly and materially affected interests who believe they have been or will be adversely affected by action or inaction of the the USNC Council shall have the right to appeal in accordance with the appeals procedures outlined in the USNC Rules of Procedure.

10. Subcommittees or task forces

The USNC Council may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of task forces and subcommittees established by the USNC Council shall be appointed by the by the USNC Council for a renewable three-year term. Specific details on the operations of these subcommittees and task forces shall be outlined by the respective subcommittee(s) and task forces and approved by the USNC Council. Subcommittees and task forces may appoint/elect a Vice-Chair for special assignments and duties under terms decided by the the same subcommittee or task force.

Subcommittees and task force members may be nominated by USNC members and are selected and approved by the USNC Council. The USNC Council shall review the membership of all subcommittees and task forces at least annually. The Chair of a subcommittee and task force has the ability to invite participants to Committee meetings, as the agenda requires.

The USNC Council shall maintain the following two policy advisory groups: (1) the TMC (as a mirror committee to the IEC SMB); (2) the CAPCC (as a mirror committee to the IEC CAB). It shall also maintain the following standing committees: (1) the Nominations Committee; (2) the

Finance Committee; (3) the Communications and Continuing Education Committee; (4) the Rules and Procedures Committee; and (5) the Young and Emerging Professionals Committee.

Operating Procedures of the ANSI ISO Council (AIC)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute (ANSI) represents the interests of the United States of America in the International Organization for Standardization (ISO), of which ANSI is a member. As the U.S. member body of ISO, ANSI staff persons and, from time to time, delegations of ANSI volunteers, serve on policy and governance groups at ISO. In order to meet these and other ISO-related responsibilities, the ANSI Board of Directors has established the ANSI ISO Council ("AIC"), an International Relations Committee of ANSI. The AIC is responsible for recommending ANSI policy and process-related positions to assist ANSI in carrying out its membership duties at ISO as well as for administering ISO Committee Secretariats in accordance with the ANSI International Procedures. The AIC reports to the ANSI Board Executive Committee ("Executive Committee").

These Operating Procedures set forth the rules of procedures governing the AIC and may be amended from time to time by the Executive Committee.

1 Responsibilities and functions

The ANSI ISO Council (AIC) is responsible for:

i. recommending ANSI policy and process-related positions concerning ISO standardization and conformity-assessment issues that are presented, via ANSI staff (and sometimes ANSI delegations) to the ISO General Assembly, ISO Council, ISO Technical Management Board ("TMB"), ISO Committee on Consumer Policy ("COPOLCO"), ISO Committee on Developing Countries ("DEVCO"), ISO Conformity Assessment Committee ("CASCO"), and subgroups of these committees;

ii. the administration of ISO Committee Secretariats, including the consideration of requests to undertake or retain an ISO Secretariat of a new or existing ISO Committee and the continuation, transfer or withdrawal of such assignments to ANSI or external organizations in accordance with criteria specified in the ANSI International Procedures.

In carrying out its responsibilities, the AIC may seek input from the other Committees of ANSI, ANSI Policy Advisory Groups and ANSI Forums.

2. AIC Membership and Membership Rights

Membership in the AIC is open to ANSI members[1] (other than Basic and International members) who actively participate in international standardization and conformity assessment activities and have extensive, personal knowledge of such ISO activities.

Interested ANSI members may designate one (1) eligible representative to serve as a voting member of the AIC. Voting members will have the right to: (i) access all AIC documents, including meeting minutes and agendas; (ii) participate in electronic communications and

[1] As delineated in Section 2.01 of the By-Laws.

correspondence; (iii) attend all AIC meetings; (iv) participate in discussions at all AIC meetings; and (v) vote on all matters coming before the AIC.

Voting members of the AIC shall be appointed by the Chair of the ANSI Board with the approval of the Board. ANSI members who wish to designate voting representatives, shall indicate their interest in or around June of each year in response to ANSI's formal Call for Nominations. Except as may be extended by the Board, each such appointment shall be for a term of three full years with no person serving more than three full consecutive terms. The terms shall be staggered so that one-third of them expire at the end of each calendar year.

3. Voting Member Responsibilities

Voting members are generally those who wish to actively participate in AIC meetings, debates and votes. They should have sufficient experience to offer recommendations on positions ANSI should take as the member body to ISO as well as make decisions on the delegation of ISO Secretariats. Voting members will be expected to have read materials distributed in advance of meetings and commit the time and resources that are necessary and appropriate to fulfill the missions of the AIC.

AIC voting members are the members themselves, not the entity with which they are affiliated. Serving in such capacity, AIC voting members act as fiduciaries to ANSI and are required to act in the best interest of ANSI. AIC voting members act as fiduciaries to ANSI when they make decisions on behalf of ANSI. The voting members of the AIC, therefore, are required to abide by ANSI's Conflict of Interest and Related Party Transaction Policy, the ANSI Code of Conduct and Section 10 of these Procedures.

On any matters requiring a vote at either a meeting of the AIC or via Letter Ballot, a current voting member may appoint a temporary alternate upon prior written notice to the AIC Chair and AIC Secretary.

4. Observers

Interested ANSI members may also designate observers to the AIC. Non-voting observers will have the right to: (i) access non-confidential AIC documents; (ii) attend AIC meetings space permitting, except for portions of the meeting conducted in Executive Session; and (iii) participate in informal discussions at the AIC.

ANSI members eligible and interested in becoming AIC observers may immediately register and participate as observers of the AIC by contacting the ANSI membership department. Observers do not serve for specific terms and may remain on the AIC as long as they are otherwise eligible to serve.

5. Officers

The Chair of the Board shall appoint the Chair of the AIC subject to approval by the Board. The Chair of the Board may also appoint a Vice Chair. Except as may be extended by the Board, the Chair (and any such other Vice Chair) shall serve for a term of two years and shall be eligible to serve for a maximum of two full consecutive two-year terms.

The Chair of the AIC shall maintain impartiality at all times and shall not be entitled to vote on any matters brought to a vote before the AIC. However, the Chair's employer may appoint an AIC voting member (and alternate, see above), apart from the Chair.

A staff member of ANSI designated by the ANSI President shall serve as a non-voting secretary of the AIC.

6. Nominations and elections

The Chair of the AIC shall appoint, before June 1 of each year, a Nominating Committee of not less than three (3) members from among the members of the AIC to serve until December 31. By majority vote, on or before August 15 of each year, this committee shall nominate the following:

a) Candidates to serve as Chair (and Vice-Chair if one has been appointed) of the AIC for the following year if the term of the current Chair (or Vice Chair if appointed) are to expire in that year;

b) Candidates to serve as members of the AIC (i.e., to fill vacancies and/or terms expiring in that year).

On or around September 1 of each year, the Secretary of the AIC shall distribute to each member of the AIC a ballot containing the names of all nominees nominated by the Nominating Committee. The ballot shall be returned to the AIC Secretary on or before October 15. Nominees receiving a plurality of the votes cast shall be recommended to the Chair of the Board (via the AIC Secretary) for final approval by the Board.

7. Meetings and agendas

Meetings of the AIC shall take place at least two times a year with such additional meetings taking place if deemed necessary or desirable at the direction of the AIC Chair. At any meeting of the AIC, the presence (either in person or via appropriate electronic means) of a majority of the current AIC membership shall constitute a quorum.

Notice of the time and place of meetings of the AIC shall be given by the secretary. Written notice shall be sent by mail or electronic means to each member of the AIC at least forty-five (45) days before the meeting. The secretary of the AIC will cause an agenda and related materials to be distributed to the members of the AIC reflecting the principal items to be considered approximately ten (10) days before an AIC meeting. The Secretary of the AIC will prepare a report of each AIC meeting, which will be circulated as soon as practicable after the meeting. Meetings of the AIC may be attended only by AIC members, unless otherwise authorized by the AIC Chair.

8. Authorization of AIC letter ballots

The AIC, in session, or the Chair of the AIC may authorize the Secretary to distribute letter ballots.

9. Voting requirements

Each voting member of the AIC shall exercise his or her voting privilege within such prescribed time limits as may be established. Letter ballots, when used, shall be closed on the twentieth (20th) working day following the date of issue, or when all ballots are received, unless otherwise

authorized by the Chair. AIC decisions and recommendations, whether made during meetings at which a quorum is present or between meetings by Letter Ballot, will be determined by a majority of the "yes" and "no" votes cast (not including abstentions) by the voting members. The results of all letter ballots shall remain confidential to the AIC until the ballot has been closed.

10. Conflict of interest

In addition to complying with ANSI's Conflict of Interest Policy, AIC members shall act at all times in a manner that promotes confidence in the integrity and impartiality of the AIC and avoid a conflict of interest or the appearance of a conflict of interest in connection with all AIC activities. A conflict of interest can arise from involvement by an AIC member with the subject matter of an issue, an inconsistent duty of fidelity to the AIC member's employer, an institutional position held by the AIC member's employer, dispute under consideration by the AIC or from any relationship between the AIC member and a party to an action or appeal before the AIC, whether past or present, that reasonably raises a question of an AIC member's impartiality.

Any voting member who believes they have a conflict of interest should advise the AIC Chair and seek to be recused from deliberations or decisions that raise the potential for such conflict. In addition, if a directly and materially affected party believes a member of the AIC has or may have a conflict of interest, that party is required to state the reason(s) for its belief. That information shall then be forwarded to the identified AIC member for that member's response. If that AIC member disagrees with the assertion, the Chair of the AIC shall make a final determination as to whether a conflict of interest exists.

Members of the AIC who are disqualified from a particular discussion shall not participate in the deliberations or decisions.

11. Appeals of AIC ISO Secretariat-related actions

In accordance with Section 3 of the International Procedures, persons who have directly and materially affected interests and who have been or will be adversely affected by any action or inaction of the AIC related to the delegation, transfer or relinquishment of ISO Committee Secretariats will have the right to appeal, first to the AIC and, if not satisfied with the outcome, thereafter to the ANSI Appeals Board.

Other complaints or concerns regarding AIC recommendations should be brought to the attention of the AIC secretary who will bring the matter to the attention of the AIC Chair. The AIC Chair or the full AIC (as determined by the Chair) will address such concerns in a manner it deems fair and reasonable, consistent with the ANSI By-Laws and these operating procedures.

12. Subcommittees or task forces

The AIC may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of task forces and subcommittees established by the AIC shall be appointed by the Chair of the AIC from the members of the AIC.

The ANSI ISO Forum (AIF) is a standing committee of the AIC responsible for formulating ANSI positions on technical coordination and procedural issues of the ISO Technical Management Board. The AIF reports to the AIC and its Chair is appointed by the AIC Chair.

Any positions or recommendations of any subcommittee or task force of the AIC (e.g., to disband such committee or task force, to publish positions outside such Committee) shall be submitted by the Chair of such task group or subcommittee to the AIC for approval.

13. ANSI Delegations to Meetings of ISO Policy Governance Groups

From time to time ANSI may issue notices broadly asking its members to indicate their interest in participating in an ANSI delegation to a meeting of an ISO policy governance group. For the practical and efficient approval of such ANSI delegations:

- The AIC Chair will approve ANSI individual delegates and experts to meetings and initiatives of the ISO General Assembly, the ISO DEVCO and their subgroups.
- The AIC Chair, in consultation with the Consumer Interest Forum Chair, will approve ANSI delegations and experts to meetings and initiatives of ISO COPOLCO and its subgroups.
- ANSI staff will approve ANSI representatives to the ISO Council, the ISO TMB and their subgroups.

Operating Procedures of the Company Member Forum (CMF)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals, the ANSI Board of Directors has established, four ANSI Membership Forums, each reporting to the ANSI Board Executive Committee ("Executive Committee"), including the Company Member Forum ("CMF"). These Operating Procedures set forth the rules of procedures governing the CMF and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

In accordance with the ANSI By-Laws, approved by the ANSI Board of Directors in June 2019, the CMF's functions include, but are not limited to:

(1) Providing a forum for discussion and networking by a defined member or interest category;

(2) Providing a mechanism for "early warning" of relevant trends;

(3) Addressing issues of interest primarily to its membership and galvanizing implementation at the constituent level;

(4) Identifying broader-based issues and, where appropriate, recommending that they be addressed by the Executive Committee; and

(5) Assuming an active role in ANSI membership recruitment and retention.

(By-Laws, Section 6.02)

2. CMF Membership and Membership Rights

In accordance with Section 6.04 of the ANSI By-Laws, the CMF consists of one representative from each company member of ANSI. A company member shall be a corporation, partnership

or other entity that is created under the laws of the United States or any state, district or territory thereof and that is engaged in industrial or commercial enterprise or professional, educational, research, testing or trade activity. (By-Laws, Section 2.01.1)

All company members of ANSI are invited to actively participate in the CMF. Each member organization may appoint one principal representative and may appoint one or more alternate representatives. The representatives should normally be in a standards or conformity assessment policy-setting position within their organization.

If at any time the number of active participants in the CMF is so large that the CMF determines that it is unable to function in an efficient and effective manner, the CMF may elect to establish a subgroup(s) of a permanent or semi-permanent nature as necessary to carry out its functions, in accordance with section 6 of these guidelines.

3. Officers

The following management structure has been established in order to conduct the business of the CMF.

3.1 Chair

The Chair of the CMF is responsible for presiding at meetings of the CMF and for ensuring that the work of the CMF is carried out in a prompt, efficient and effective manner. The Chair shall represent the CMF as a member of the ANSI Board of Directors (By-Laws, Section 3.01) and the Executive Committee of the Board (By-Laws, Section 3.16). Each Chair shall meet the criteria for Board membership set forth in Section 3.03 of the By-Laws.

The CMF Chair is elected by the CMF, from among the members of the CMF. The term of office for the Chair is one year. The Chair may not serve more than three consecutive, full one-year terms. New terms shall commence on the first of January.

3.2 Vice Chair

At the same time that the CMF solicits nominations for the position of Chair, it also shall solicit nominations to fill any open terms for Vice Chairs from among the members of the CMF to serve for a one-year term. Such Vice Chairs shall not serve more than three consecutive, full one-year terms. The Vice Chair(s) shall be voted upon by the members of the CMF at the first available opportunity following the election of the Chair. The Vice Chair(s) is responsible for assuming the duties of the Chair, in the absence of the Chair. The CMF shall have no more than two (2) Vice Chairs at the same time.

3.3 Secretary

The Secretary of the CMF shall be a member of ANSI staff appointed by the president of ANSI for the purpose of providing administrative support to the CMF.

The Secretary shall ensure that all CMF official documents are numbered. The document numbering system shall be as defined by ANSI. The Secretary shall maintain a master file of all documents and shall periodically make available the document register to the members.

The Secretary shall ensure that significant actions taken at meetings and major issues scheduled for future discussion are regularly communicated to the CMF membership. The Secretary will serve as a contact point for CMF members desiring either more information about the CMF or to make a written contribution on an issue.

3.4. Management Team

The CMF shall maintain a Management Team that shall manage the work of the CMF and develop the agendas for CMF meetings. The Management Team shall consist of the CMF Chair, Vice Chair(s), Secretary, the Sector Caucus Chairs (*see* Section 3.5 below), and such other persons as may be appointed by the Chair.

The CMF Management Team shall seek to identify common trends and relevant issues among the CMF and ANSI Policy Advisory Groups ("PAGs") in order to share information of common interests to those groups, as appropriate.

3.5. Sector Caucuses

The CMF normally shall conduct its business as a committee of the whole except that, consistent with the sectoral approach of the U.S. National Standards Strategy, the CMF shall convene Industry Sector Caucuses in order to obtain sector specific input on the CMF's agenda. The Sector Caucuses shall be encouraged to meet in person or by means of telecommunications between or in conjunction with CMF meetings.

The CMF shall annually confirm the active Sector Caucuses. Each Sector Caucus shall appoint its own Chair.

Initially, the following Sector Caucuses have been established: Electrical, Information Technology/Multi-Media, Telecommunications, Transportation/Heavy Equipment. Caucuses for Medical / Health and Small / Medium Enterprises shall be established should there be sufficient interest and participation. CMF shall be open to other sectors wanting to establish a caucus.

Sector Caucuses are encouraged to extend participation to ANSI government and organizational members and to consumer interests to address any specific agenda issues.

4. Nominating Committee, Election of Chair

4.1 Nominating Committee Responsibilities

The CMF shall maintain a Nominating Committee for the purpose of collecting information on candidates for CMF Chair and Vice Chair, candidates for nomination to the ANSI Board of Directors, and candidates for voting membership on the PAGs and other ANSI governance bodies. The Chair of the Nominating Committee shall provide a status report of Committee activity at each CMF meeting.

The Nominating Committee shall consist of the Chairs of the active CMF Sector Caucuses. In the event there are fewer than four active Sector Caucuses, the CMF Chair shall appoint up to three additional members to the Nominating Committee from among the CMF membership. The Nominating Committee Chair shall be appointed by the CMF Chair.

Once a year the Secretary shall issue a call for candidates for CMF Chair, for nomination to the Board of Directors, and for voting membership on the PAGs. Interested candidates shall furnish the Secretary and the Chair of the Nominating Committee with the following documentation:

- A biographical statement setting forth the candidate's relevant qualifications; and
- A letter from a corporate officer stating that the organization will support the candidate in connection with their service on the Board or a PAG (unless the candidate is a corporate officer).

By September 30, the Nominating Committee shall recommend a candidate for CMF Chair from among eligible candidates who have expressed interest in serving as Chair. The election of the Chair shall be held at either the next scheduled meeting of the CMF or by letter ballot. In either case, the results of the election shall be made known no later than October 15.

Recommendations of the CMF Nominating Committee concerning candidates for nomination to the ANSI Board of Directors, for voting membership on the PAGs, or for other ANSI governance bodies, shall be referred to the appropriate body for consideration and shall be made in accordance with timetables established for such actions. The Nominating Committee shall report such recommendations to the CMF but CMF approval shall not be sought or required.

5. Voting

5.1. Voting Eligibility

Pursuant to Section 2.07 of the ANSI By-Laws, each company member of ANSI shall have one vote on matters presented to the members. An alternate representative may vote only if the principal representative to the CMF fails to vote.

5.2. Letter Ballots

All issues before the CMF can be approved by a meeting vote. Alternatively, at the discretion of the Chair, issues can be handled by letter ballot including electronic ballot. The Chair shall authorize a letter ballot on the request of five or more members. Letter ballots shall be issued by the Secretary and normally shall be circulated electronically and shall be 15 calendar days in duration.

5.3. Voting Rules

Normally, issues shall be resolved by seeking a consensus of the members. Except as provided below, formal motions shall be approved by a majority of the members voting at a meeting (exclusive of abstentions), or by a majority of the members voting (exclusive of abstentions) on a letter ballot.

Members unable to attend a meeting, or a portion of a meeting, may provide the Chair with their written vote on issues scheduled for action at the meeting. The Chair shall handle such votes as if the member were present. Other forms of proxy voting shall not be permitted.

Recommendations for modifications to these Operating Procedures shall require two-thirds of the members voting (exclusive of abstentions). An effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefore. The Executive Committee shall approve any changes to these Operating Procedures.

6. Subcommittees and Task Forces

The CMF may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of subcommittees and task forces as established by the CMF shall be appointed by the Chair of the CMF from the members of the CMF. The scope, membership, functions, duration, and reporting arrangements for the subcommittee or task force shall be approved by the CMF as appropriate. Unless specific action is otherwise taken by the CMF, any subcommittee or task force is dissolved upon acceptance by the CMF of their report.

7. Meetings

7.1 Meeting Schedule

The CMF shall meet at least twice a year, typically in the spring and the fall. Additional meetings of the Forum and any subcommittee or task force thereof may be scheduled when deemed necessary by the Chair or upon petition of five or more Forum members. The use of web meetings, videoconferencing and teleconferencing shall be encouraged.

At least once per year (*e.g.*, in association with the ANSI general conference) a joint meeting of the ANSI Membership Forums and the Consumer Interest Forum shall be held barring scheduling conflicts that would preclude such a meeting.

7.2 Notice of Meeting and Draft Agenda

Notice of the time and place of CMF meetings and a draft agenda setting forth issues to be considered shall be sent by electronic means to each CMF member at least three weeks before the meeting by the Secretary.

The agenda shall include standing items for:

- Approval of the Agenda
- Approval of the Report of the Last Meeting
- A review of action items
- Report of the Nominating Committee
- Next Meeting Schedule

Specific agenda items shall include appropriate document references and shall indicate the person responsible for leading the discussion. Items for action at the meeting shall be so designated. Members making a written contribution to an agenda item should provide appropriate documentation to the Secretary at least two weeks prior to the meeting.

7.3 Meeting Report

A report of each CMF meeting shall be prepared by the Secretary and made available as soon as practicable after the meeting. The meeting report shall be approved by the CMF normally at the next scheduled meeting.

The meeting report shall note all motions and their disposition. Significant points of discussion shall be summarized and action items, together with follow-up responsibility, shall be identified.

Operating Procedures of the Consumer Interest Forum (CIF)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals, the ANSI Board of Directors has established, four ANSI Membership Forums, each reporting to the ANSI Board Executive Committee ("Executive Committee"), including the Consumer Interest Forum ("CIF"). These Operating Procedures set forth the rules of procedures governing the CIF and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

In accordance with the ANSI By-Laws, approved by the ANSI Board of Directors in June 2019, the CIF's, functions include, but are not limited to:

(1) Providing a forum for discussion and networking by a defined member or interest category;

(2) Providing a mechanism for "early warning" of relevant trends;

(3) Addressing issues of interest primarily to its membership and galvanizing implementation at the constituent level;

(4) Identifying broader-based issues and, where appropriate, recommending that they be addressed by the Executive Committee; and

(5) Assuming an active role in ANSI membership recruitment and retention.

(By-Laws, Section 6.02)

In addition to the functions of the Forums described in Section 6.02 and consistent with available resources, the CIF shall promote the education of consumers regarding the activities of ANSI,

the proper function of standards and standardization and consumer participation in these activities and in the activities of standards developing organizations. The CIF shall be dedicated to facilitating the representation of consumer interests in the voluntary consensus standards process and in enhancing the effectiveness and credibility of ANSI.

2. CIF Membership and Membership Rights

In accordance with Section 6.03 of the ANSI By-Laws, Membership on the CIF is open to all consumer representatives who are willing to actively participate in the work of the CIF and express an interest in membership. Voting participation shall normally require attendance at a minimum of the lesser of two or 50% of the meetings of the CIF per calendar year. The attendance requirement may be waived in specific instances for good cause by action of the CIF at a meeting.

All consumers are invited to actively participate in the CIF. Consumers are defined as those individuals who use goods or services to satisfy their individual needs and desires, rather than to resell them or to produce other goods or services with them ("Consumers"). The Consumer Interest Forum shall be composed of knowledgeable representatives from consumer organizations, producers, retailers, distributors, standards developers, conformity assessment organizations and government.

Written requests for voting membership shall be submitted to the Secretary of the CIF who will forward the candidate's biographical information to the Nominating Committee for review. Absent objection, the candidate will be welcomed as a new member and his/her information will be circulated to CIF by way of information.

If at any time the number of active participants in the CIF is so large that the CIF determines that it is unable to function in an efficient and effective manner, the CIF may elect to establish a subgroup(s) of a permanent or semi-permanent nature as necessary to carry out its functions, in accordance with section 6 of these guidelines.

3. Officers

The following management structure has been established in order to conduct the business of the CIF.

3.1. Chair

The Chair of the CIF is responsible for presiding at meetings of the CIF and for ensuring that the work of the CIF is carried out in a prompt, efficient and effective manner. The Chair shall represent the CIF as a member of the ANSI Board of Directors (By-Laws, Section 3.01) and the Executive Committee of the Board (By-Laws, Section 3.16). Each Chair shall meet the criteria for Board membership set forth in Section 3.03 of the By-Laws.

The CIF Chair is elected by the CIF, from among the members of the CIF. The term of office for the Chair is one year. The Chair may not serve more than three, consecutive full terms. New terms shall commence on the first of January.

3.2. Vice Chair

At the same time that the CIF solicits nominations for the position of Chair, it also shall solicit nominations to fill any open terms for Vice Chair from among the members of the CIF to serve for a one-year term. The Vice Chair is responsible for performing duties of the Chair, in the absence of the Chair. The term of office for the Vice Chair is one year. The Vice Chair may not serve more than three, consecutive full terms.

3.3. Secretary

The Secretary of the CIF shall be a member of ANSI staff appointed by the President of ANSI for the purpose of providing administrative support to the CIF.

The Secretary shall ensure that all CIF official documents are numbered. The document numbering system shall be as defined by ANSI. The Secretary shall maintain a master file of all documents and shall periodically make available the document register to the members.

The Secretary shall ensure that significant actions taken at meetings and major issues scheduled for future discussion are regularly communicated to the CIF membership. The Secretary will serve as a contact point for CIF members desiring either more information about the CIF or to make a written contribution on an issue.

4. Nominating Committee, Election of Chair

The CIF shall maintain a Nominating Committee for the purpose of collecting information on prospective candidates for CIF Chair and Vice Chair, for nomination to the ANSI Board of Directors, and for voting membership on the Policy Advisory Groups ("PAGs") and other ANSI governance bodies. The Chair of the Nominating Committee shall provide a status report of Committee activity at each CIF meeting.

The Nominating Committee shall consist of no more than four members of the CIF who are appointed by the Chair of the CIF from among the voting CIF membership. The term of membership shall be two years and a maximum of two consecutive terms may be served. The Chair of the Nominating Committee shall be appointed by the Chair of the CIF.

Once a year the Secretary shall issue a call for candidates for CIF Chair and Vice Chair, for nomination to the Board of Directors, and for voting membership on the PAGs. Interested candidates shall furnish the Secretary and the Chair of the Nominating Committee with the following documentation:

- a biographical statement setting forth the candidate's relevant qualifications;

- a letter from a corporate officer stating that their organization will support the candidate in connection with their service on the Board or a PAG (unless the candidate is a corporate officer, an individual member of ANSI, or employed by a government entity).

By September 30, the Nominating Committee shall recommend a candidate for CIF Chair and Vice Chair from among eligible candidates who have expressed interest in serving in that capacity. The election of the Chair and Vice Chair shall be held at either the next scheduled meeting of the CIF or by letter ballot. In either case, the results of the election shall be made known no later than October 15.

Recommendations of the CIF Nominating Committee concerning candidates for nomination to the ANSI Board of Directors, for voting membership on the PAGs, or for other ANSI governance bodies, shall be referred to the appropriate body for consideration and shall be made in accordance with timetables established for such actions. The Nominating Committee shall report such recommendations to the CIF but CIF approval shall not be sought or required.

5. Voting

5.1. Voting Eligibility

All CIF members maintain their eligibility to vote by attendance at a minimum of the lesser of two or 50% of the meetings of the CIF per calendar year.

5.2. Letter Ballots

All issues before the CIF can be approved by a meeting vote. Alternatively, at the discretion of the Chair, issues can be handled by letter ballot. The Chair shall authorize a letter ballot on the request of five or more members. Letter ballots shall be issued by the Secretary, circulated electronically, and normally shall be 15 calendar days in duration.

5.3. Voting Rules

Normally, issues shall be resolved by seeking a consensus of the members. Except as provided below, formal motions shall be approved by a majority of the members voting at a meeting (exclusive of abstentions) at which a quorum exists, or by a majority of the members voting (exclusive of abstentions) on a letter ballot, providing at least 50 percent of the ballots are returned with votes.

Members unable to attend a meeting, or a portion of a meeting, may provide the Chair with their written vote on issues scheduled for action at the meeting. The Chair shall handle such votes as if the member were present. Other forms of proxy voting shall not be permitted.

Recommendations for approval of modifications to these Operating Procedures shall require two-thirds of the members voting at a meeting (exclusive of abstentions) at which a quorum

exists, or by two-thirds of the members voting (exclusive of abstentions) on a letter ballot, providing at least 50 percent of the ballots are returned with votes. The Executive Committee shall approve any changes to these Operating Procedures.

An effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefore.

6. Subcommittees and Task Forces

The CIF may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of subcommittees and task forces as established by the CIF shall be appointed by the Chair of the CIF from the members of the CIF. The scope, membership, functions, duration, and reporting arrangements for the subcommittee or task force shall be approved by the CIF as appropriate. Unless specific action is otherwise taken by the CIF, any subcommittee or task force is dissolved upon acceptance by the CIF of their report.

7. Meetings

7.1. Meeting Schedule

Meetings of the CIF shall be called by the Chair, or shall be called by the Secretary on petition of 50 percent of the CIF voting membership.

At any meeting of the CIF, the presence of a majority of the current voting membership shall constitute a quorum.

The CIF normally shall meet three times a year. One of these meetings shall be held approximately one month prior to the COPOLCO plenary meeting for the specific purpose of preparing the ANSI delegation to that meeting. Additional meetings of the Forum and any subgroups thereof may be scheduled when deemed necessary by the Chair or upon petition of five or more Forum members.

At least once per year (*e.g.*, in association with the ANSI general conference) a combined joint meeting of the ANSI Membership Forums and the Consumer Interest Forum shall be held barring scheduling conflicts that would preclude such a meeting.

7.2. Notice of Meeting and Draft Agenda

Notice of the time and place of CIF meetings and a draft agenda setting forth issues to be considered shall be sent by electronic means to each CIF member at least three weeks before the meeting by the Secretary.

The agenda shall include standing items for:

- Approval of the Agenda

- Approval of the Report of the Last Meeting
- A review of action items
- Report of the Nominating Committee
- Next Meeting Schedule

Specific agenda items shall include appropriate document references and shall indicate the person responsible for leading the discussion. Items for action at the meeting shall be so designated. Members making a written contribution to an agenda item should provide appropriate documentation to the Secretary at least two weeks prior to the meeting.

7.3. Meeting Report

A report of each CIF meeting shall be prepared by the Secretary and made available as soon as practicable after the meeting. The meeting report shall be approved by the CIF normally at the next scheduled meeting.

The meeting report shall note all motions and their disposition. Significant points of discussion shall be summarized and action items, together with follow-up responsibility, shall be identified.

Operating Procedures of the Government Member Forum (GMF)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals, the ANSI Board of Directors has established, four ANSI Membership Forums, each reporting to the ANSI Board Executive Committee ("Executive Committee"), including the Government Member Forum ("GMF"). These Operating Procedures set forth the rules of procedures governing the GMF and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

In accordance with the ANSI By-Laws, approved by the ANSI Board of Directors in June 2019, the GMF's functions include, but are not limited to:

(1) Providing a forum for discussion and networking by a defined member or interest category;

(2) Providing a mechanism for "early warning" of relevant trends;

(3) Addressing issues of interest primarily to its membership and galvanizing implementation at the constituent level;

(4) Identifying broader-based issues and, where appropriate, recommending that they be addressed by the Executive Committee; and

(5) Assuming an active role in ANSI membership recruitment and retention.

(By-Laws, Section 6.02)

In addition to the functions of the Forums described in Section 6.02, the GMF shall assist governmental entities in voluntary standards development activities and encourage participation by governmental agencies in the voluntary standards and conformity assessment process.

2. GMF Membership and Membership Rights

In accordance with Section 6.05 of the ANSI By-Laws, the GMF consists of one representative from each government member of ANSI. A government member shall be a department, authority or agency of the United States government or of any State, interstate, regional or local government, interested in the work of the Institute (By-Laws, Section 2.01.3).

All government members of ANSI are invited to actively participate in the GMF. Each government member may appoint one principal representative and may appoint one or more alternate representatives. The representatives should normally be in a standards or conformity assessment policy-setting position within their organization.

If at any time the number of active participants in the GMF is so large that the GMF determines that it is unable to function in an efficient and effective manner, the GMF may elect to establish a subgroup(s) of a permanent or semi-permanent nature as necessary to carry out its functions, in accordance with section 6 of these guidelines.

3. Officers

The following management structure has been established in order to conduct the business of the GMF.

3.1. Chair

The Chair of the GMF is responsible for presiding at meetings of the GMF and for ensuring that the work of the GMF is carried out in a prompt, efficient and effective manner. The Chair shall represent the GMF as a member of the ANSI Board of Directors (By-Laws, Section 3.01) and the Executive Committee of the Board (By-Laws, Section 3.16). Each Chair shall meet the criteria for Board membership set forth in Section 3.03 of the by-Laws.

The GMF Chair is elected by the GMF, from among the members of the GMF. The term of office for the Chair is one year. The Chair may not serve more than three consecutive, full one-year terms. New terms shall commence on the first of January.

3.2. Vice Chair

Upon his/her election, the GMF Chair may nominate a Vice Chair(s) from among the members of the GMF to serve for a one-year term. The Vice Chair(s) nominated by the Chair shall be voted upon by the members of the GMF at the first available opportunity following such nomination by the Chair. Such Vice-Chair(s) shall not serve more than three consecutive, full one-year terms. The Vice Chair(s) is responsible for assuming the duties of the Chair, in the absence of the Chair.

3.3. Secretary

The Secretary of the GMF shall be a member of ANSI staff appointed by the president of ANSI for the purpose of providing administrative support to the GMF.

The Secretary shall ensure that all GMF official documents are numbered. The document numbering system shall be as defined by ANSI. The Secretary shall maintain a master file of all documents and shall periodically make available the document register to the members.

The Secretary shall ensure that significant actions taken at meetings and major issues scheduled for future discussion are regularly communicated to the GMF membership. The Secretary will serve as a contact point for GMF members desiring either more information about the GMF or to make a written contribution on an issue.

4. Nominating Committee, Election of Chair

The GMF shall maintain a Nominating Committee for the purpose of collecting information on candidates for GMF Chair, candidates for nomination to the ANSI Board of Directors, and candidates for voting membership on ANSI Policy Advisory Groups ("PAGs") and other Institute governance bodies. The Chair of the Nominating Committee shall provide a status report of Committee activity at each GMF meeting.

The Nominating Committee shall consist of three or four members of the GMF who are appointed by the Chair of the GMF from among the GMF membership. The term of membership shall be two years and a maximum of two consecutive terms may be served. The Chair of the Nominating Committee shall be appointed by the Chair of the GMF.

Once a year the Secretary shall issue a call for candidates for GMF Chair, for nomination to the Board of Directors, and for voting membership on the PAGs. Interested candidates shall furnish the Secretary and the Chair of the Nominating Committee with a biographical statement setting forth the candidate's relevant qualifications

By September 30, the Nominating Committee shall recommend a candidate for GMF Chair from among eligible candidates who have expressed interest in serving as Chair. The election of the Chair shall be held at either the next scheduled meeting of the GMF or by letter ballot. In either case, the results of the election shall be made known no later than October 15.

Recommendations of the GMF Nominating Committee concerning candidates for nomination to the ANSI Board of Directors, for voting membership on the PAGs, or for other Institute governance bodies, shall be referred to the appropriate body for consideration and shall be made in accordance with timetables established for such actions. The Nominating Committee shall report such recommendations to the GMF but GMF approval shall not be sought or required.

5. Voting

5.1. Voting Eligibility

Pursuant to Section 2.07 of the ANSI By-Laws, each Government member of ANSI shall have one vote on matters presented to the members. An alternate representative may vote only if the principal representative to the GMF fails to vote.

5.2. Letter Ballots

All issues before the GMF can be approved by a meeting vote. Alternatively, at the discretion of the Chair, issues can be handled by letter ballot including electronic ballot. The Chair shall authorize a letter ballot on the request of five or more members. Letter ballots shall be issued by the Secretary and normally shall be circulated electronically and shall be 15 calendar days in duration.

5.3. Voting Rules

Normally, issues shall be resolved by seeking a consensus of the members. Except as provided below, formal motions shall be approved by a majority of the members voting at a meeting (exclusive of abstentions), or by a majority of the members voting (exclusive of abstentions) on a letter ballot.

Members unable to attend a meeting, or a portion of a meeting, may provide the Chair with their written vote on issues scheduled for action at the meeting. The Chair shall handle such votes as if the member were present. Other forms of proxy voting shall not be permitted.

Recommendations for modifications to these Operating Procedures shall require two-thirds of the members voting (exclusive of abstentions). An effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefor. The Executive Committee shall approve any changes to these Operating Procedures.

6. Subcommittees and Task Forces

The GMF may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of subcommittees and task forces as established by the GMF shall be appointed by the Chair of the GMF from the members of the GMF. The scope, membership, functions, duration, and reporting arrangements for the subcommittee or task force shall be approved by the GMF as appropriate. Unless specific action is otherwise taken by the GMF, any subcommittee or task force is dissolved upon acceptance by the GMF of their report.

7. Meetings

7.1. Meeting Schedule

The GMF shall meet at least twice a year, typically in the spring and the fall. Additional meetings of the Forum and any subcommittee or task force thereof may be scheduled when

deemed necessary by the Chair or upon petition of five or more Forum members. The use of web meetings, videoconferencing and teleconferencing shall be encouraged.

One of these meetings may be held in conjunction with a joint meeting of the ANSI Membership Forums and the Consumer Interest Forum. The GMF shall participate in such joint forum meetings.

7.2. Notice of Meeting and Draft Agenda

Notice of the time and place of GMF meetings and a draft agenda setting forth issues to be considered shall be sent by electronic means to each GMF member at least three weeks before the meeting by the Secretary.

The agenda shall include standing items for:

- Approval of the Agenda
- Approval of the Report of the Last Meeting
- A review of action items
- Report of the Nominating Committee
- Next Meeting Schedule

Specific agenda items shall include appropriate document references and shall indicate the person responsible for leading the discussion. Items for action at the meeting shall be so designated. Members making a written contribution to an agenda item should provide appropriate documentation to the Secretary at least two weeks prior to the meeting.

7.3. Meeting Report

A report of each GMF meeting shall be prepared by the Secretary and made available as soon as practicable after the meeting. The meeting report shall be approved by the GMF normally at the next scheduled meeting.

The meeting report shall note all motions and their disposition. Significant points of discussion shall be summarized and action items, together with follow-up responsibility, shall be identified.

Operating Procedures of the Organizational Member Forum (OMF)

Edition: January 1, 2020

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INTRODUCTION

The American National Standards Institute ("ANSI") serves as the national coordinating body for voluntary standards, conformity assessment and related activities in the United States of America through which organizations concerned with such activities may cooperate in establishing, improving and recognizing standards, based on a consensus of parties-at-interest, and conformity assessment programs to the end that such activities remain dynamically responsive to national needs. Among other things, ANSI's goals are to further voluntary standards and conformity assessment activities as a means of (a) advancing the national economy; (b) benefiting the public health, safety, welfare and environment; and (c) facilitating domestic and international trade, commerce, communications and understanding. ANSI cooperates with departments and agencies of federal, state and local governments in promoting (i) optimum compatibility between government laws and regulations and the voluntary standards of industry and commerce; (ii) maximum common usage of American National Standards; and (iii) broader cooperation between government and industry on conformity assessment.

To assist ANSI in meeting these and other goals, the ANSI Board of Directors has established, four ANSI Membership Forums, each reporting to the ANSI Board Executive Committee ("Executive Committee"), including the Organizational Member Forum ("OMF"). These Operating Procedures set forth the rules of procedures governing the OMF and may be amended from time to time by the Executive Committee.

1. Responsibilities and Functions

In accordance with the ANSI By-Laws, approved by the ANSI Board of Directors in June 2019, the OMF's functions include, but are not limited to:

(1) Providing a forum for discussion and networking by a defined member or interest category;

(2) Providing a mechanism for "early warning" of relevant trends;

(3) Addressing issues of interest primarily to its membership and galvanizing implementation at the constituent level;

(4) Identifying broader-based issues and, where appropriate, recommending that they be addressed by the Executive Committee; and

(5) Assuming an active role in ANSI membership recruitment and retention.

(By-Laws, Section 6.02)

2. OMF Membership and Membership Rights

In accordance with Section 6.06 of the ANSI By-Laws, the OMF consists of one representative from each organizational member of ANSI. An organizational member shall be a not-for-profit scientific, technical, professional, labor, consumer, trade or other association or organization that is involved in standards, certification or related activities (By-Laws, Section 2.01.6) and meets all requirements for participation under the By-Laws.

All organizational members of ANSI are invited to actively participate in the OMF. Each member organization may appoint one principal representative and may appoint one or more alternate representatives. The representatives should normally be in a standards or conformity assessment policy-setting position within their organization.

If at any time the number of active participants in the OMF is so large that the OMF determines that it is unable to function in an efficient and effective manner, the OMF may elect to establish a subgroup(s) of a permanent or semi-permanent nature as necessary to carry out its functions, in accordance with section 6 of these guidelines.

3. Officers

The following management structure has been established in order to conduct the business of the OMF.

3.1. Chair

The Chair of the OMF is responsible for presiding at meetings of the OMF and for ensuring that the work of the OMF is carried out in a prompt, efficient and effective manner. The Chair shall represent the OMF as a member of the ANSI Board of Directors (By-Laws, Section 3.01) and the Executive Committee of the Board (By-Laws, Section 3.16). Each Chair shall meet the criteria for Board membership set forth in Section 3.03 of the By-Laws.

The OMF Chair is elected by the OMF, from among the members of the OMF. The term of office for the Chair is one year. The Chair may not serve more than three consecutive full terms. New terms shall commence on the first of January.

3.2. Vice Chair

The Vice Chair of the OMF is responsible for assuming the duties of the Chair in the absence of the Chair, and such other duties as requested from time to time by the Chair and the OMF.

The OMF Vice Chair is elected by the OMF, from among the members of the OMF. The term of office for the Vice Chair is one year. The Vice Chair may not serve more than three consecutive full terms. New terms shall commence on the first of January.

3.3. Secretary

The Secretary of the OMF shall be a member of ANSI staff appointed by the president of ANSI for the purpose of providing administrative support to the OMF.

The Secretary shall ensure that all OMF official documents are numbered. The document numbering system shall be as defined by ANSI. The Secretary shall maintain a master file of all documents and shall periodically make available the document register to the members.

The Secretary shall ensure that significant actions taken at meetings and major issues scheduled for future discussion are regularly communicated to the OMF membership. The Secretary will serve as a contact point for OMF members desiring either more information about the OMF or to make a written contribution on an issue.

4. Nominating Committee, Election of Chair

4.1. Nominating Committee Responsibilities

The OMF shall maintain a Nominating Committee for the purpose of collecting information on candidates for OMF Chair and Vice Chair, candidates for nomination to the ANSI Board of Directors, and candidates for voting membership on ANSI Policy Advisory Groups ("PAGs") and other ANSI governance bodies. The Chair of the Nominating Committee shall provide a status report of Committee activity at each OMF meeting.

Once a year the Secretary shall issue a call for candidates for OMF Chair, for nomination to the Board of Directors, and for voting membership on the PAGs. Interested candidates shall furnish the Secretary and the Chair of the Nominating Committee with the following documentation:

- A biographical statement setting forth the candidate's relevant qualifications;
- A letter from a corporate officer stating that the organization will support the candidate in connection with their service on the Board or PAG (unless the candidate is a corporate officer).

By September 30, the Nominating Committee shall recommend a candidate for OMF Chair and OMF Vice Chair from among eligible candidates who have expressed interest in serving as Chair or Vice Chair. The election of the Chair and Vice Chair shall be held at either the next scheduled meeting of the OMF or by letter ballot. In either case, the results of the election shall be made known no later than October 15.

Recommendations of the OMF Nominating Committee concerning candidates for nomination to the ANSI Board of Directors, for voting membership on the PAGs, or for other ANSI governance bodies, shall be referred to the appropriate body for consideration and shall be made in accordance with timetables established for such actions. The Nominating Committee shall report such recommendations to the OMF but OMF approval shall not be sought or required.

4.2. Appointment of the OMF Nominating Committee

The Nominating Committee shall consist of three or four members of the OMF who are appointed by the Chair of the OMF from among the OMF membership. The term of membership shall be one year and a maximum of two consecutive terms may be served. The Chair of the Nominating Committee shall be appointed by the Chair of the OMF. In the event that a member of the OMF Nominating Committee resigns for any reason before that person's term expires (*e.g.*, that person wishes to be considered as a potential nominee), the OMF Chair shall have the authority to appoint a replacement for the unexpired term without seeking approval from the OMF.

4.3. Nomination Process Regarding the OMF Chair and Vice Chair

The OMF Nominating Committee shall nominate to the OMF one or more candidates for the position of Chair and the position of Vice Chair. Nominations from the floor will be accepted if the proposed candidate meets the requirements as set forth below. On motions for the election of the OMF Chair and Vice Chair, the candidate for each position receiving the highest number of votes shall be elected. In the event of a tie vote, or if no candidate receives at least 40% of the votes, a run-off election between the two candidates receiving the highest number of votes will then be conducted. This vote will be taken at the last OMF meeting of the calendar year (or at any time there is a vacancy or by letter ballot) and be subject to the voting and quorum requirements set forth in Section 5.

In addition, nominees for the OMF Chair and Vice Chair must confirm his/her willingness to serve in this capacity and must have demonstrated the following attributes to fulfill the chair or vice chair role: knowledge of the consensus standards process, leadership qualities, and the ability to preside over a large body dealing with complex organizational and political issues. In order to be considered for and elected to the position of OMF Chair, a candidate need not have first served as the OMF Vice Chair.

5. Voting

5.1. Voting Eligibility

Pursuant to Section 2.07 of the ANSI By-Laws, each organizational member of ANSI shall have one vote on matters presented to the members. An alternate representative may vote only if the principal representative to the OMF fails to vote.

5.2. Letter Ballots

All issues before the OMF can be approved by a meeting vote. Alternatively, at the discretion of the Chair, issues can be handled by letter ballot including electronic ballot. The Chair shall authorize a letter ballot on the request of five or more members. Letter ballots shall be issued by the Secretary and normally shall be circulated electronically and shall be 15 calendar days in duration.

5.3. Voting Rules

Normally, issues shall be resolved by seeking a consensus of the members. Except as provided below, formal motions shall be approved by a majority of the members voting at a meeting (exclusive of abstentions), provided at least 20 votes (exclusive of abstentions) are cast, or by a majority of the members voting (exclusive of abstentions) on a letter ballot, provided at least 20 ballots (exclusive of abstentions) are returned.

Members unable to attend a meeting, or a portion of a meeting, may provide the Chair with their written vote on issues scheduled for action at the meeting. The Chair shall handle such votes as if the member were present. Other forms of proxy voting shall not be permitted.

Recommendations for modifications to these Operating Procedures shall require two-thirds of the members voting provided (exclusive of abstentions) at least 20 votes (exclusive of abstentions). An effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefore. The Executive Committee shall approve any changes to these Operating Procedures.

Any action taken in connection with new business item(s) added to the agenda as shall be approved by at least two-thirds of those voting (exclusive of abstentions) at the meeting, provided at least 20 votes (exclusive of abstentions) are cast.

5.4. Quorum requirements

The presence of at least 20 voting members of the OMF shall constitute a quorum.

6. Subcommittees and Task Forces

The OMF may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Chairs of subcommittees and task forces as established by the OMF shall be appointed by the Chair of the OMF from the members of the OMF. The scope, membership, functions, duration, and reporting arrangements for the subcommittee or task force shall be approved by the OMF as appropriate. Unless specific action is otherwise taken by the OMF, any subcommittee or task force is dissolved upon acceptance by the OMF of their report.

7. Meetings

7.1. Meeting Schedule

The OMF shall meet at least twice a year, typically in the spring and the fall. Additional meetings of the OMF and any subcommittee or task force thereof may be scheduled when deemed necessary by the Chair or upon petition of five or more OMF members. The use of web meetings, videoconferencing and teleconferencing shall be encouraged.

One of these meetings may be held in conjunction with a joint meeting of the ANSI Membership Forums and the Consumer Interest Forum. The OMF shall participate in such joint forum meetings.

7.2. Notice of Meeting and Draft Agenda

Notice of the time and place of OMF meetings and a draft agenda setting forth issues to be considered shall be sent by electronic means to each OMF member at least three weeks before the meeting by the Secretary.

The agenda shall include standing items for:

- Approval of the Agenda
- Approval of the Report of the Last Meeting
- A review of action items
- Report of the Nominating Committee
- Next Meeting Schedule

Specific agenda items shall include appropriate document references and shall indicate the person responsible for leading the discussion. Items for action at the meeting shall be so designated. Members making a written contribution to an agenda item should provide appropriate documentation to the Secretary at least two weeks prior to the meeting.

7.3. Meeting Report

A report of each OMF meeting shall be prepared by the Secretary and made available as soon as practicable after the meeting. The meeting report shall be approved by the OMF normally at the next scheduled meeting.

The meeting report shall note all motions and their disposition. Significant points of discussion shall be summarized and action items, together with follow-up responsibility, shall be identified.