ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 50, #11 *March 15, 2019*

Contents

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: April 14, 2019

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

Addenda

BSR/ASHRAE Addendum x to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum adds the zeotropic refrigerant blend R-467A in Table 4-2.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: https://osr.ashrae.org/default.aspx

BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)

This addendum adds the zeotropic refrigerant blend R-468A in Table 4-2.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: https://osr.ashrae.org/default.aspx

AWWA (American Water Works Association)

Supplement

BSR/AWWA C651a-201x, Addendum to C651-14, Disinfecting Water Mains (supplement to ANSI/AWWA C651a-201x)

This addendum defines the scope of the standard, to exclude building/premise plumbing. The standard covers the use of high chlorination methods for disinfection of water mains, and these methods are not designed for premise plumbing disinfection.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: AWWA, Attn: Paul J. Olson

IES (Illuminating Engineering Society)

Revision

BSR/IES RP-16 Addendum 3-201x, Nomenclature and Definitions for Illuminating Engineering (revision of ANSI/IES RP-16-2017)

16 revised terms and 8 new terms.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 40-201x (i33r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

Click here to view these changes in full

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

BSR/NSF 50-201x (i153r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018)

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

Click here to view these changes in full

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

BSR/NSF 170-201x (i25r3), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

Definitions covered by this Standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Food Equipment and Sanitation Standards.

Click here to view these changes in full

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

BSR/NSF 170-201x (i26r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

Definitions covered by this Standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Food Equipment and Sanitation Standards.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 295-201x, Standard for Safety for Commercial-Industrial Gas Burners (revision of ANSI/UL 295-2017)

The following topic is being proposed: 1) Addition of flexible metallic hose reference

Click here to view these changes in full

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

BSR/UL 399-201x, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2018)

This proposal for UL 399 covers: (1) Alternate compliance option for EMI filters, (2) Alternate compliance methods, (3) Clarify requirements for nonmetallic materials exposed to ultraviolet (UV) radiation lamps; (4) Clarify requirements for large nonmetallic exterior surface materials, (5) Editorial corrections.

Click here to view these changes in full

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

Comment Deadline: April 29, 2019

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 041-201x, Assigning Propositions for Likelihood Ratios in Forensic DNA Interpretations. (new standard)

This standard provides the requirements for the assignment of propositions for the interpretation of DNA profiling evidence using likelihood ratios. It includes requirements regarding practical issues such as case file documentation, conditioning on profiles of assumed contributors, evaluating the weight of evidence for multiple individuals of interest, and assigning the number of contributors.

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 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//

AGA (ASC Z223) (American Gas Association)

Revision

BSR Z223.1/NFPA 54-201x, National Fuel Gas Code (revision of ANSI Z223.1/NFPA 54-2018)

This code offers criteria for the installation and operation of gas piping and gas equipment on consumers' premises. It is the cumulative result of years of experience of many individuals and many organizations acquainted with the installation of gas piping and equipment designed for utilization of gaseous fuels. It is intended to promote public safety by providing requirements for the safe and satisfactory utilization of gas. The code is not intended as an ISO, IEC or ISO/IEC JTC-1 standard.

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

New Standard

BSR/APCO 2.106.1-201X, Public Safety Grade Site Hardening Requirements (new standard)

This effort documents public safety requirements regarding various characteristics to make mission-critical communications wireless networks sufficiently robust to meet the service availability requirements of public safety. The effort will standardize what is required to make wireless network sites "public safety grade" or to the extent to which they are hardened. This effort specifically addresses hardening for wireless communications sites with both transmission and/or reception capabilities. Includes substantive changes made to sections 3.4 and 3.7 of the candidate American National Standard.

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Send comments (with copy to psa@ansi.org) to: https://workspace.apcointl.org/higherlogic/ws/public/document?document_id=2057&wg_id=technical

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S619.1 MONYEAR-201x, Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (revision and redesignation of ANSI/ASABE S619-2014)

The purpose of this Standard is to establish the safety requirements for tractor-mounted, boom-type post hole diggers. This Standard applies to boom-type post hole diggers designed and intended for digging vertical, cylindrical holes. This Standard applies to boom-type post hole diggers designed for attachment to the three-point hitch of agricultural tractors as specified in ANSI/ASAE S390, equipped with Category I or Category II three-point linkage as specified in ANSI/ASABE AD730:2009, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

Single copy price: $44.00 (ASABE Members); $65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASTM (ASTM International)

New Standard

BSR/ASTM F1533-201x, Specification for Deformed Polyethylene (PE) Liner (new standard)

https://www.astm.org/ANSI_SA

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BSR/ASTM F2968-201x, Specification for Black Crosslinked Polyethylene (PEX) Pipe, Fittings and Joints For Gas Distribution Applications (new standard)

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BSR/ASTM WK5436-201x, Guide for Extension of Data for Fire-Resistive Joint System Tests Conducted in Accordance with ASTM E1966 (new standard)

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BSR/ASTM WK44130-201x, Specification for Standard Specification for Solid Wall Poly(Vinyl Chloride) (PVC) Fittings for Joining Corrugated Wall High Density Polyethylene (PE) and Polypropylene (PP) Piping (new standard)

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BSR/ASTM WK58957-201x, Specification for Polyolefin Pipe and Fittings for Drainage, Waste, and Vent Applications (new standard)

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BSR/ASTM WK61305-201x, Practice for Specimen Preparation and Mounting of Plastic Composites for Use as Deck Boards, Stair Treads, Guards or Handrails to Assess Surface Burning Characteristics (new standard)

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BSR/ASTM WK63167-201x, Practice for Butt Fusion Joining of PA12 Pipe and Fittings (new standard)

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ASTM (ASTM International)

Reaffirmation

BSR/ASTM D4161-2014 (R201x), Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe Joints Using Flexible Elastomeric Seals (reaffirmation of ANSI/ASTM D4161-2014)

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BSR/ASTM E1021-2018 (R201x), Test Method for Spectral Responsivity Measurements of Photovoltaic Devices (reaffirmation of ANSI/ASTM E1021-2018)

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BSR/ASTM E1036-2018 (R201x), Test Methods for Electrical Performance of Nonconcentrator Terrestrial Photovoltaic Modules and Arrays Using Reference Cells (reaffirmation of ANSI/ASTM E1036-2018)

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BSR/ASTM E1143-2018 (R201x), Test Method for Determining the Linearity of a Photovoltaic Device Parameter with Respect to a Test Parameter (reaffirmation of ANSI/ASTM E1143-2018)

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BSR/ASTM E1171-2018 (R201x), Test Methods for Photovoltaic Modules in Cyclic Temperature and Humidity Environments (reaffirmation of ANSI/ASTM E1171-2018)

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BSR/ASTM E1362-2018 (R201x), Test Methods for Calibration of Non-Concentrator Photovoltaic Non-Primary Reference Cells (reaffirmation of ANSI/ASTM E1362-2018)

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BSR/ASTM E1597-2018 (R201x), Test Method for Saltwater Pressure Immersion and Temperature Testing of Photovoltaic Modules for Marine Environments (reaffirmation of ANSI/ASTM E1597-2018)

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BSR/ASTM E1830-201x (R201x), Test Methods for Determining Mechanical Integrity of Photovoltaic Modules (reaffirmation of ANSI/ASTM E1830-2015)

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BSR/ASTM E1966-2015 (R201x), Test Method for Fire-Resistive Joint Systems (reaffirmation of ANSI/ASTM E1966-2015)

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BSR/ASTM E2047-2018 (R201x), Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays (reaffirmation of ANSI/ASTM E2047-2018)

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BSR/ASTM E2226-2015 (R201x), Practice for Application of Hose Stream (reaffirmation of ANSI/ASTM E2226-2015)

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BSR/ASTM E2236-2018 (R201x), Test Methods for Measurement of Electrical Performance and Spectral Response of Nonconcentrator Multijunction Photovoltaic Cells and Modules (reaffirmation of ANSI/ASTM E2236-2018)

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BSR/ASTM E2282-2014 (R201x), Guide for Defining the Test Result of a Test Method (reaffirmation of ANSI/ASTM E2282-2014)

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BSR/ASTM E2527-2018 (R201x), Test Method for Electrical Performance of Concentrator Terrestrial Photovoltaic Modules and Systems Under Natural Sunlight (reaffirmation of ANSI/ASTM E2527-2018)

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BSR/ASTM E2685-2018 (R201x), Specification for Steel Blades Used with the Photovoltaic Module Surface Cut Test (reaffirmation of ANSI/ASTM E2685-2018)

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BSR/ASTM E2749-2010 (R201x), Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (reaffirmation of ANSI/ASTM E2749-2010 (R2014))

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BSR/ASTM E2766-2018 (R201x), Practice for Installation of Roof Mounted Photovoltaic Arrays on Steep-Slope Roofs (reaffirmation of ANSI/ASTM E2766-2018)

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BSR/ASTM E3010-2015 (R201x), Practice for Installation, Commissioning, Operation, and Maintenance Process (ICOMP) of Photovoltaic Arrays (reaffirmation of ANSI/ASTM E3010-2015)

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BSR/ASTM E3021-2015 (R201x), Guide for Evaluating the Relative Effectiveness of Building Systems to Resist the Passage of Products of Combustion Based on the Aggregation of Leakage Rates (reaffirmation of ANSI/ASTM E3021-2015)

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BSR/ASTM F628-2018 (R201x), Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core (reaffirmation of ANSI/ASTM F628-2018)

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BSR/ASTM F1703-2013 (R201x), Guide for Skating and Ice Hockey Playing Facilities (reaffirmation of ANSI/ASTM F1703-2013)

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BSR/ASTM F1887-2014 (R201x), Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs (reaffirmation of ANSI/ASTM F1887-2014)

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BSR/ASTM F2219-2014 (R201x), Test Methods for Measuring High-Speed Bat Performance (reaffirmation of ANSI/ASTM F2219 -2014)

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BSR/ASTM F2845-2014 (R201x), Test Method for Measuring the Dynamic Stiffness (DS) and Cylindrical Coefficient of Restitution (CCOR) of Baseballs and Softballs (reaffirmation of ANSI/ASTM F2845-2014)

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ASTM (ASTM International)

Revision

BSR/ASTM D2846-201x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM D2846-2017)

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BSR/ASTM D3517-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe (revision of ANSI/ASTM D3517-2014)

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BSR/ASTM D3839-201x, Guide for Underground Installation of Fiberglass (Glass-Fiber Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D3839-2014)

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BSR/ASTM D5685-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe Fittings (revision of ANSI/ASTM D5685-2011)

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BSR/ASTM E136-201x, Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2019)

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BSR/ASTM E1664-201x, Classification for Serviceability of an Office Facility for Layout and Building Factors (revision of ANSI/ASTM E1664-1995A (R2018))

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BSR/ASTM E1725-201x, Test Methods for Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components (revision of ANSI/ASTM E1725-2014)

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BSR/ASTM E2307-201x, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-Story Test Apparatus (revision of ANSI/ASTM E2307-2015)

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BSR/ASTM E2320-201x, Classification for Serviceability of an Office Facility for Thermal Environment and Indoor Air Conditions (revision of ANSI/ASTM E2320-2004 (R2018))

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BSR/ASTM F2829-201x, Specification for Metric- and Inch-Sized Crosslinked Polyethylene (PEX) Pipe Systems (revision of ANSI/ASTM F2829-2017)

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BSR/ASTM F3347-201x, Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F3347-2018)

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BSR/ASTM F3348-201x, Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F3348-2018)

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AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1-001-201X, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 3/4 inch [19 mm], E7016 and E7018, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel plate and pipe in the thickness range of 3/16 inch [5 mm] through 3/4 inch [19 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: $136.00

Obtain an electronic copy from: jrosario@aws.org

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

BSR/AWS B2.1-1-002-201X, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm], ER70S-2, ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

This standard contains the essential welding variables for carbon steel plate and pipe in the thickness range of 3/16 inch [5 mm] through 7/8 inch [22 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.

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BSR/AWS B2.1-1-234-201X, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using 75% argon plus 25% carbon dioxide shielded flux cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

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BSR/AWS B2.1-1-235-201X, Standard Welding Procedure Specification (SWPS) for 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using 98% argon plus 2% oxygen shielded gas metal arc welding (spray transfer mode). It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

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BSR/AWS NAVSEA B2.1-1-303-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-1-313-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL -70S-2 and MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-1/8-323-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL -309, ER309L, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-1/8-324-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL -309-XX, MIL-309L-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-1/8-325-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309/ER309L and MIL-309-XX/MIL-309L-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-8-310-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1 -1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB -010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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BSR/AWS NAVSEA B2.1-8-320-201X, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1 -1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB -010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

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CSA (CSA America Standards Inc.)

Revision

BSR Z21.88-201x, Vented gas fireplace heaters (same as CSA 2.33) (revision and redesignation of ANSI Z21.88-2017)

Test and examination criteria for vented gas fireplace heaters for use with natural and liquefied petroleum (propane) gases, which allows the view of flames and provides the simulation of a solid fuel fireplace and furnishes warm air to the space in which it is installed with or without duct connections. A vented gas-fired fireplace heater is designed to comply with minimum thermal efficiency requirements and may be controlled by an automatic thermostat. Direct vent appliances may be installed in manufactured (mobile) homes and recreational vehicles.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Send comments (with copy to psa@ansi.org) to: david.zimmerman@csagroup.org

CTA (Consumer Technology Association)

Reaffirmation

BSR/CTA 766-D-2013 (R201x), U.S. and Canadian Rating Region Tables (RRT) and Content Advisory Descriptors for Transport of Content Advisory Information Using ATSC Program and System Information Protocol (PSIP) (reaffirmation of ANSI/CTA 766-D-2013)

This standard augments ATSC A/65 [A65] and designates the RRT which provides the receiver with the definition of the rating system and b) the Content Advisory Descriptors which provide the receiver with the specific program rating for each program. Specifically, this standard specifies the exact syntax to be used to define the U.S. and Canadian Rating Region Tables (RRT) in accordance with ATSC A/65 [A65] Section 6.4, as well as the exact syntax to be used in the Content Advisory Descriptors.

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EOS/ESD (ESD Association, Inc.)

New Standard

BSR/ESD SP9.2-201x, ESD Association Draft Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Foot Grounders - Resistive Characterization (new standard)

This standard practice is intended for testing foot grounders used for grounding personnel engaged in working with ESD-sensitive items. It does not address static-control footwear (shoes). NOTE: For static-control footwear, see ANSI/ESD STM9.1.

Single copy price: $105.00 (List)/$75.00 (EOS/ESD Members) [Hardcover]; $130.00 (List)/$100.00 (EOS/ESD Members) [Softcover]

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Home Innovation (Home Innovation Research Labs)

Revision

BSR/ICC/ASHRAE 700-201x, National Green Building Standard (revision of ANSI/ICC/ASHRAE 700-2015)

The provisions of this Standard shall apply to design, construction, alteration, enlargement, and renovation of (1) all residential buildings, (2) residential portions of mixed-use buildings, or (3) mixed-use buildings where the residential portion is greater than 50 percent of the gross floor area. This Standard shall also apply to subdivisions, building sites, buildings lots, and accessory structures. For the purpose of this standard, all Group R occupancies as defined by the International Building Code and all building within the scope of the International Residential Code shall be considered residential. Assisted living facilities, residential board and care facilities, and group homes classified as an I-1 occupancy as defined by the International Building Code shall also be considered residential.

Single copy price: Free

Obtain an electronic copy from: www.homeinnovation.com/ngbs

Send comments (with copy to psa@ansi.org) to: www.homeinnovation.com/ngbs

IES (Illuminating Engineering Society)

New Standard

BSR/IES LM-79-201x, IES Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products (new standard)

This document is a revision of IES LM-79-2008, Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products. Changes have been made to update information and provide better guidance based on information gathered from proficiency testing associated with laboratory accreditation and independent research. The updated requirements in this test method are intended to reduce the variation of measurement results across testing laboratories, while minimizing the burden on the testing laboratories. The method is based on absolute photometry addressing the requirements for optical and electrical measurement of solid-state lighting products.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

BSR/NAAMM MBG 532-201x, Heavy Duty Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 532-2009)

This standard provides guidance for the manufacture and installation of heavy-duty bar gratings such as those used in bridges and industrial applications subject to wheel traffic.

Single copy price: $25.00

Obtain an electronic copy from: http://www.naamm.org/ansi-information#ANSI/NAAMM%20Pending Standards

Order from: Vernon W. Lewis, Jr, Consulting Structural Engineers, 123 College Place, Unit 1101, Norfolk, VA 23510

Send comments (with copy to psa@ansi.org) to: Vernon W. Lewis, Jr. wlewis7@cox.net

BSR/NAAMM MBG 533-201x, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (revision of ANSI/NAAMM MBG 533-2009)

This standard provided guidance for welding practices for metal bar grating and stair treads. The welds for bar grating are considered non-structural welds.

Single copy price: $25.00

Obtain an electronic copy from: http://www.naamm.org/ansi-information#ANSI/NAAMM%20Pending Standards

Order from: Vernon W. Lewis, Jr, Consulting Structural Engineers, 123 College Place, Unit 1101, Norfolk, VA 23510

Send comments (with copy to psa@ansi.org) to: Vernon W. Lewis, Jr, wlewis7@cox.net

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Benefit Integration Standard v15-201x, NCPDP Benefit Integration Standard v15 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v14-2019)

The Benefit Integration Standard Implementation Guide supports the communication of accumulator data in a standard format via transactions that are used to facilitate the delivery and receipt of this information. These transactions provide administrative efficiencies and allow for an industry standard to be used to share accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP MR v07.03-201x, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.03 (revision and redesignation of ANSI/NCPDP MR v07.02-2018)

The Standard provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs). The four (4) file formats are intended to be used in an integrated manner, with the utilization file being supported by the plan, formulary, and market basket files. However, any of the four (4) files may be used independently. The Standard Flat File layouts provide detailed information on the file design and requirements for each of the four (4) files.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP PA Transfer v24-201x, NCPDP Prior Authorization Transfer Standard v24 (revision and redesignation of ANSI/NCPDP PA Transfer v23-2019)

The NCPDP Prior Authorization Transfer Standard Implementation Guide was developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors. This standard can be used between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP PDMP Reporting Standard v11-201x, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v11 (revision and redesignation of ANSI/NCPDP PDMP Reporting Standard v10-2019)

Report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs. This standard assists in allowing for a sustainable approach to eliminate data silos and promote interoperability by allowing actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption, and support patient safety efforts to curb prescription drug abuse.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP Post Adj v50-201x, NCPDP Post Adjudication Standard v50 (revision and redesignation of ANSI/NCPDP Post Adj v49 -2019)

The goal of this implementation guide is to support the development of a common format for post-adjudicated pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the communication of patient pharmacy transaction data. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP SC WG110081201x-201x, NCPDP SCRIPT Standard WG110081201x (revision and redesignation of ANSI/NCPDP SC Standard 2019011-2019)

The SCRIPT Standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: $200.00 (Non-members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP Specialized Standard WG110081201x-201x, NCPDP Specialized Standard WG110081201x (revision and redesignation of ANSI/NCPDP Specialized Standard 2019011-2019)

The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP Specialty Pharmacy Reporting v12-201x, NCPDP Specialty Pharmacy Data Reporting Standard v12 (revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v11-2019)

The Specialty Pharmacy Data Reporting Standard provides a uniform format for the submission of specialty pharmacy data to manufacturers which is needed to support related operations and validate contractual obligations. The implementation of this standard will increase administrative efficiencies and eliminate the need for pharmacies to create internal mapping processes to standardize unique data formats from each manufacturer.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP TC vF5-201x, NCPDP Telecommunication Standard vF5 (revision and redesignation of ANSI/NCPDP TC vF4-2019)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol and other appropriate telecommunication requirements.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

BSR/NCPDP Uniform Healthcare Payer Data Standard v27-201x, NCPDP Uniform Healthcare Payer Data Standard v27 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v26-2019)

This implementation guide is to support the development of a common format for pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the reporting requirements of claim data to states or their designees. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: $200.00 (Non-Members)

Obtain an electronic copy from: kkrempin@ncpdp.org

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

PLASTICS (Plastics Industry Association)

Reaffirmation

BSR/PLASTICS B151.31-2014 (R201x), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)

This standard provides safety requirements, including risk assessment procedures, for the manufacture and use of blow molding machinery. The requirements of this standard shall apply to the manufacture and use of all Blow Molding Machines (BMMs) that process plastic materials to blow a parison, blow a preform (including injection blow, injection stretch blow, and reheat and blow) into the shape of a mold cavity held together by a vertically or horizontally acting clamp(s).

Single copy price: Free

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: Megan Hayes, (202) 974-5217, mhayes@plasticsindustry.org

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

PLATO (Portable Lights American Trade Organization)

Revision

BSR/PLATO FL 1-201x, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)

The ANSI/PLATO FL1 standard covers basic performance of hand-held/portable flashlights, spotlights, and headlamps providing directional lighting. The scope has been expanded to include portable area lighting. Most of the revisions are intended to address this scope expansion, but it also includes needed clarifications and updates. The standard includes relevant definitions, test methods and marking requirements to establish minimum performance and to provide relevant packaging information for these consumer devices.

Single copy price: Free

Obtain an electronic copy from: daviddelaquila@gmail.com

Order from: David Delaquila, (330) 469-2727, daviddelaquila@gmail.com

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

RESNET (Residential Energy Services Network, Inc.)

New Standard

BSR/RESNET/ICC 1101-201X, Standard for the Calculation and Labeling of the Water Use Performance of One- and Two-Family Dwellings Using the Water Rating Index (new standard)

This Standard provides a consistent, uniform methodology for evaluating, quantifying, and labeling the water use performance of one- and two-family dwellings. The methodology compares the water use performance of an actual home (rated home) with the water use performance of a reference home of the same geometry, resulting in a relative Water Use Rating called the Water Rating Index (WRI). Where the water use performance of the actual home and the reference home are equal, the Water Rating Index is 100.

Single copy price: $55.00

Obtain an electronic copy from: Electronic copy can be downloaded from the RESNET website at http://www.resnet.us/blog/resnet-consensus-standards/

Send comments (with copy to psa@ansi.org) to: Comments are submitted via RESNET's online comment form. See the links from webpage: http://www.resnet/us/blog/resnet-consensus-standards/

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 35-201x, Digital Program Insertion Cueing Message for Cable (revision of ANSI/SCTE 35-2017)

This standard supports delivery of events, frame accurate or non-frame accurate, and associated descriptive data in MPEG-2 transport streams, MPEG-DASH and HLS. This standard supports the splicing of content (MPEG-2 transport streams, MPEG-DASH, etc.) for the purpose of Digital Program Insertion, which includes advertisement insertion and insertion of other content types. This standard defines an in-stream messaging mechanism to signal splicing and insertion opportunities. As such, this standard does not specify the insertion method used or constraints applied to the content being inserted, nor does it address constraints placed on insertion devices.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

BSR/SCTE 135-02-201x, DOCSIS 3.0 Part 2: MAC and Upper Layer Protocols (revision of ANSI/SCTE 135-2 2013)

This standard is part of the DOCSIS(r) family of specifications. In particular, this specification is part of a series of specifications that define the third generation of high-speed data-over-cable systems. This specification was developed for the benefit of the cable industry, and includes contributions by operators and vendors from North America, Europe, and other regions.

Single copy price: $50.00

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

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

BSR/SCTE 162-201x, Emergency Alert Signaling for the Home Network (revision of ANSI/SCTE 162-2019)

SCTE 162 standardizes metadata elements describing emergency alert events to devices in a home network, for applications involving the delivery of Commercial Video Services into the home network. Commercial Video Services are sources of audio/video content provided as live or on-demand streams from a particular service provider. Other standards define emergency alert signaling for digital cable receiving devices (ANSI J-STD-042-A) and for IPTV terminal devices (ATIS 0800012)

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

BSR/SCTE 165-01-201x, IPCablecom 1.5 Part 1: Architecture Framework Technical Report (revision of ANSI/SCTE 165-1 2009)

IPCablecom is a project conducted by Cable Television Laboratories, Inc. (CableLabs®) and its member companies. The IPCablecom project defines interface specifications that can be used to develop interoperable equipment capable of providing packet-based voice, video, and other high-speed multimedia services over hybrid fiber coax (HFC) cable systems utilizing the DOCSIS® protocol. Any reference to DOCSIS in this document is understood to be DOCSIS version 1.1 or later.

Single copy price: $50.00

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

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

BSR/SCTE 165-04-201x, IPCablecom 1.5 Part 4: Dynamic Quality-of-Service (revision of ANSI/SCTE 165-4 2009)

This document addresses requirements for a client device to obtain access to IPCablecom network resources. In particular, it specifies a comprehensive mechanism for a client device to request a specific Quality of Service from the DOCSIS network. Extensive examples illustrate the use of the specification.

Single copy price: $50.00

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

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

BSR/SCTE 165-05-201x, IPCablecom 1.5 Part 5: MTA Device Provisioning (revision of ANSI/SCTE 165-5 2009)

The scope of this document is limited to the provisioning of an IPCablecom 1.5 embedded-MTA device by a single provisioning and network management provider. An attempt has been made to provide enough detail to enable vendors to build an embedded-MTA device that is interoperable in an IPCablecom 1.5 network configuration. This document defines the provisioning of MTA components of the embedded MTA device (unless stated otherwise).

Single copy price: $50.00

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

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

BSR/SCTE 165-06-201x, IPCablecom 1.5 Part 6: MIBS Framework (revision of ANSI/SCTE 165-6 2009)

This specification describes the framework in which IPCablecom 1.5 MIB (Management Information Base) modules are described. It provides information on the management requirements of IPCablecom-compliant devices and functions and how these requirements are supported in the MIB modules. It is intended to support and complement the actual MIB module documents, which are issued separately.

Single copy price: $50.00

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

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

BSR/SCTE 165-07-201x, IPCablecom 1.5 Part 7: MTA MIB (revision of ANSI/SCTE 165-7 2009)

This standard describes the IPCablecom 1.5 MTA MIB requirement.

Single copy price: $50.00

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

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

BSR/SCTE 165-08-201x, IPCablecom 1.5 Part 8: Signaling MIB (revision of ANSI/SCTE 165-8 2009)

This specification describes the IPCablecom Signaling (SIG) MIB requirements.

Single copy price: $50.00

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

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

BSR/SCTE 165-09-201x, IPCablecom 1.5 Part 9: Event Messages (revision of ANSI/SCTE 165-9 2009)

This standard describes the concept of Event Messages used to collect usage for the purposes of billing within the IPCablecom architecture. It details a transport protocol independent Event Message attribute TLV format, an Event Message file format, mandatory and optional transport protocols, the various Event Messages, lists the attributes each Event Message contains, and lists the required and optional Event Messages associated with each type of end-user service supported. In order to support vendor interoperability, implementations must minimally support RADIUS as a transport protocol. It is issued to facilitate design and field-testing leading to manufacturability and interoperability of conforming hardware and software by multiple vendors.

Single copy price: $50.00

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

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

BSR/SCTE 165-11-201x, IPCablecom 1.5 Part 11: Analog Trunking for PBX Specification (revision of ANSI/SCTE 165-11-2009)

This specification defines extensions to the IPCablecom Network-based Call Signaling [NCS] protocol to support the following analog trunking for PBX interfaces on an embedded Voice-Over-IP client device in an IPCablecom environment.

Single copy price: $50.00

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

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

BSR/SCTE 165-13-201x, IPCablecom 1.5 Part 13: Electronic Surveillance Standard (revision of ANSI/SCTE 165-13-2009)

This specification defines the interface between a telecommunications carrier that provides telecommunications services to the public for hire using IPCablecom capabilities (a “PC/TSP”) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance. Companies using IPCablecom capabilities will not, in the normal case, be “telecommunications carriers.” Instead they will be providers of information services. However, some companies using IPCablecom capabilities may, by virtue of other actions, be “telecommunications carriers” for purposes of the Communications Assistance for Law Enforcement Act (CALEA) with respect to their use of IPCablecom capabilities.

Single copy price: $50.00

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

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

BSR/SCTE 165-14-201x, IPCablecom 1.5 Part 14: Embedded MTA Analog Interface and Powering (revision of ANSI/SCTE 165-14 -2009)

The purpose of this specification is to define a set of requirements that will enable a service that is sufficiently reliable to meet an assumed consumer expectation of essentially constant availability, including, specifically, availability during power failure at the customer’s premises, and (assuming the service is used to connect to the PSTN), access to emergency services (911, etc.).

Single copy price: $50.00

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

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

BSR/SCTE 165-15-201x, IPCablecom 1.5 Part 15: Management Event MIB Specification (revision of ANSI/SCTE 165-15-2009)

The Management Event MIB provides a common data and format definition for events (informative, alarm, etc.). It also specifies by what means events are transmitted. Use of a common event mechanism facilitates management of the MTA in a multi-vendor environment and provides a standard means to implement IPCablecom-specified events.

Single copy price: $50.00

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

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

BSR/SCTE 165-17-201x, IPCablecom 1.5 Part 17: Audio Server Protocol (revision of ANSI/SCTE 165-17-2009)

This specification describes the architecture and protocols that are required for playing announcements in voice-over-IP (VoIP) IPCablecom networks, and is issued to facilitate design and field-testing leading to the manufacture and interoperability of conforming hardware and software by multiple vendors. This will be referred to as the IPCablecom Audio Server Specification.

Single copy price: $50.00

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

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

BSR/SCTE 165-19-201x, IPCablecom 1.5 Part 19: CMS Subscriber Provisioning Specification (revision of ANSI/SCTE 165-19-2009)

IPCablecom 1.5 service provisioning can be viewed as two distinct operations: Multimedia Terminal Adapter (MTA) provisioning and Call Management Server (CMS) subscriber provisioning. MTA initialization and provisioning is outlined in the IPCablecom MTA Device Provisioning Specification. This document defines the interface used between the CMS and Provisioning Server for the exchange of service provisioning information. It is intended to facilitate interoperability of conforming hardware and software from multiple vendors.

Single copy price: $50.00

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

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

BSR/SCTE 165-20-201x, IPCablecom 1.5 Part 20: MTA Extension MIB (revision of ANSI/SCTE 165-20-2009)

New objects that are being introduced beyond IPCablecom 1.0 for MTA MIBS are being grouped in this document so that the additional changes made can be tracked easily.

Single copy price: $50.00

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

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

BSR/SCTE 168-04-201x, Recommended Practice for Transport Stream Verification Metrics (revision of ANSI/SCTE 168-4 2010)

This Recommended Practice provides a common methodology for defining the measurement points and metrics of interest in digital cable networks that impair the compressed multimedia (video/audio/data) quality end to end. Uncompressed content and those metrics not related to “quality” are not included in this Recommended Practice.

Single copy price: $50.00

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

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

TIA (Telecommunications Industry Association)

Addenda

BSR/TIA 920.130-B-1-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (addenda to ANSI/TIA 920.130-B-2018)

Document is being revised to include swapping figures 4.4.3 and 4.4.4 as they are incorrect based on the heading and caption titles.

Single copy price: $64.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 10-201x, Interference Criteria for Microwave Systems (new standard)

To update the “Interference Criteria for Microwave Systems” document, formerly TIA TSB-10. The former TIA TSB-10-F is widely used for fixed point-to-point microwave frequency coordination. Last published in 2004, the document requires updates to adequately address modern microwave radio networks. The proposed project will address needed updates and will be broader than interference criteria.

Single copy price: $103.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 12402-4-201X, Standard for Personal Flotation Devices - Part 4: Lifejackets,performance level 100 - Safety requirements (new standard)

UL proposes a recirculation to the UL 12402-4 ballot dated 6-1-18.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.A.Weeks@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 987-201x, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2013)

This proposal for UL 987 covers: (1) Proposed deletion of requirements specific to miter saws.

Single copy price: Free

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

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

Comment Deadline: May 14, 2019

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B1.10M-2004 (R201x), Unified Miniature Screw Threads (reaffirmation of ANSI/ASME B1.10M-2004 (R2014))

This Standard specifies the thread form, series, tolerance, and designation for the Unified Miniature Screw Threads. The series covers a diameter range of 0.30 mm to 1.40 mm, extending the metric M-Profile and unified thread series that begin at 1.6 mm.

Single copy price: $38.00

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

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

Send comments (with copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B1.1-201x, Unified Inch Screw Threads (UN and UNR Thread Form) (revision of ANSI/ASME B1.1-2003 (R2008))

This Standard specifies the thread form, series, class, allowance, tolerance, and designation for unified screw threads. Several variations in thread form have been developed for unified threads; however, this Standard covers only UN, UNR, and UNJ thread forms.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.org

Projects Withdrawn from Consideration

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

CTA (Consumer Technology Association)

BSR/CTA 2015-A-201x, Mobile Electronics Cabling Standard (revision and redesignation of ANSI/CTA 2015-2007)

This standard defines size and performance requirements for power and speaker cabling used in mobile electronics applications.

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

AIAA (American Institute of Aeronautics and Astronautics)

Note to Readers: American National Standards that have not been revised or reaffirmed within ten years of their ANS-approval date automatically expire as ANS on the tenth anniversary of that approval and shall be administratively withdrawn. However an administrative withdrawal does not invalidate ongoing activity. The standards listed below have been re-submitted and approved as "new" American National Standards and are listed in the Final Actions section of this issue of Standards Action.

ANSI/AIAA S-102.1.4-2008, Performance-Based Failure Reporting, Analysis & Corrective Action System (FRACAS) Requirements

Inquiries may be directed to Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

AIAA (American Institute of Aeronautics and Astronautics)

ANSI/AIAA S-102.1.5-2008, Performance-Based Failure Review Board (FRB) Requirements

Inquiries may be directed to Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

ANSI/AIAA S-102.2.2-2008, Performance-Based System Reliability Modeling Requirements

Inquiries may be directed to Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

ANSI/AIAA S-102.2.11-2008, Performance-Based Anomaly Detection and Response Analysis

Inquiries may be directed to Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

ANSI/AIAA S-102.2.18-2008, Performance-Based Fault Tree Analysis Requirements

Inquiries may be directed to Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

Correction

Comment Deadline Change

BSR/UL 987-201x, Standard for Safety for Stationary and Fixed Electric Tools

The Call for Comment notice for BSR/UL 987-201x, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2013) was announced for public review ahead of schedule in the March 1, 2019 Standards Action. This notice is being listed again in this edition of Standards Action with a changed comment deadline of April 29, 2019. Please direct inquiries to: Elizabeth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com.

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.

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 766-D-2013 (R201x), U.S. and Canadian Rating Region Tables (RRT) and Content Advisory Descriptors for Transport of Content Advisory Information Using ATSC Program and System Information Protocol (PSIP) (reaffirmation of ANSI/CTA 766-D-2013)

ECIA (Electronic Components Industry Association)

Office: 13873 Park Center Road
Suite 315
Herndon, VA 20171
Contact: Laura Donohoe
Phone: (571) 323-0294
E-mail: ldonohoe@ecianow.org

BSR/EIA 364-31G-201x, Humidity Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-31F-2019)

EOS/ESD (ESD Association, Inc.)

Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440
Contact: Christina Earl
Phone: (315) 339-6937
E-mail: cearl@esda.org

BSR/ESD SP9.2-201x, ESD Association Draft Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Foot Grounders - Resistive Characterization (new standard)

IES (Illuminating Engineering Society)

Office: 120 Wall Street, Floor 17
New York, NY 10005
Contact: Patricia McGillicuddy
Phone: (917) 913-0027
E-mail: pmcgillicuddy@ies.org

BSR/IES LM-79-201x, IES Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products (new standard)

BSR/IES LM-82-201x, IES Approved Method: Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature (new standard)

BSR/IES LM-83-201x, Spatial Daylight Autonomy and Annual Sunlight Exposure (new standard)

BSR/IES LM-84-201x, Approved Method: Measuring Luminous, Radiant, and Photon Flux; and Color and Aspects of Spectral Maintenance of LED Lamps, Light Engines, and Luminaires (new standard)

BSR/IES RP-16 Addendum 3-201x, Nomenclature and Definitions for Illuminating Engineering (revision of ANSI/IES RP-16-2017)

BSR/IES TM-21-201x, Approved Method: Projecting Long Term Lumen Maintenance of LED Light Sources (new standard)

BSR/IESNA LM-73-201x, IES Approved Method: Photometric Testing of Entertainment Luminaires Using HID, Incandescent Filament or LED Light Sources (revision of ANSI/IESNA LM-73-2004 (R2017))

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

Office: 4043 South Eastern Avenue
Las Vegas, NV 89119
Contact: Mili Washington
Phone: (702) 850-2710
E-mail: mwashington@iicrcnet.org

BSR/IICRC S900-201x, Standard for Professional Remediation of Illicit Drugs, Cannabis, and Nicotine Residue (new standard)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922
Contact: Deborah Spittle
Phone: (202) 737-8888
E-mail: comments@standards.incits.org

INCITS/ISO/IEC 1539-1:2018 [201x], Information technology - Programming languages - Fortran - Part 1: Base language (identical national adoption of ISO/IEC 1539-1:2018 and revision of INCITS/ISO/IEC 1539-1:2010 [R2018])

INCITS/ISO/IEC 9899:2018 [201x], Information technology - Programming languages - C (identical national adoption of ISO/IEC 9899:2018 and revision of INCITS/ISO/IEC 9899:2011 [R2017])

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510
Contact: Vernon (Wes) Lewis
Phone: (757) 489-0787
E-mail: wlewis7@cox.net

BSR/NAAMM HMMA 862-201x, Guide Specifications for Commercial Security Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 862-2013)

BSR/NAAMM HMMA 863-2014 (R201x), Guide Specifications for Detention Security Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 863-2014)

BSR/NAAMM HMMA 865-201x, Guide Specifications for Sound Control Hollow Metal Door and Frame Assemblies (revision of ANSI/NAAMM HMMA 865-2013)

BSR/NAAMM MBG 532-201x, Heavy Duty Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 532-2009)

BSR/NAAMM MBG 533-201x, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (revision of ANSI/NAAMM MBG 533-2009)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Contact: Aga Golriz
Phone: (301) 215-4549
E-mail: Aga.golriz@necanet.org

BSR/NECA 600-2014 (R201x), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation of ANSI/NECA 600-2014)

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Rosslyn, VA 22209
Contact: Khaled Masri
Phone: (703) 841-3278
E-mail: Khaled.Masri@nema.org

BSR ICEA S-81-570-201x, Standard for 600 Volt Rated Cables of Ruggedized Design for Direct Burial Installation as Single Conductors or Assemblies of Single Conductors (revision of ANSI/ICEA S-81-570-2012)

BSR/ICEA T-27-581/NEMA WC 53-201x, Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test (revision and redesignation of ANSI/ICEA T-27-581 -2016)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Contact: Jason Snider
Phone: (734) 418-6660
E-mail: jsnider@nsf.org

BSR/NSF 40-201x (i33r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

BSR/NSF 50-201x (i153r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018)

BSR/NSF 170-201x (i25r3), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

BSR/NSF 170-201x (i26r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017)

PLASTICS (Plastics Industry Association)

Office: 1425 K Street NW, Suite 500
Washington, DC 20005
Contact: Megan Hayes
Phone: (202) 974-5217
E-mail: mhayes@plasticsindustry.org

BSR/PLASTICS B151.2-201x, Safety Requirements for Plastic Film Casting Machinery (new standard)

BSR/PLASTICS B151.4-201x, Safety Requirements for Plastic Blown Film Take-Off and Auxiliary Equipment (new standard)

BSR/PLASTICS B151.31-2014 (R201x), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)

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 10-201x, Interference Criteria for Microwave Systems (new standard)

BSR/TIA 920.130-B-1-201x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (addenda to ANSI/TIA 920.130-B-1-201x)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062
Contact: Elizabeth Northcott
Phone: (847) 664-3198
E-mail: Elizabeth.Northcott@ul.com

BSR/UL 987-201x, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2013)

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.

ADA (American Dental Association)

Withdrawal

ANSI/ADA Standard No. 1-2003 (R2013), Alloy for Dental Amalgam (withdrawal of ANSI/ADA Standard No. 1-2003 (R2013)): 3/8/2019

ANSI/ADA Standard No. 137-2014, Essential Characteristics of Test Methods for the Evaluation of Treatment Methods Intended to Improve or Maintain the Microbiological Quality of Dental Unit Procedural Water (withdrawal of ANSI/ADA Standard No. 137-2014): 3/8/2019

AIAA (American Institute of Aeronautics and Astronautics)

New Standard

ANSI/AIAA S-102-1-4-2019, Performance-Based Failure Reporting, Analysis & Corrective Action System (FRACAS) Requirements (new standard): 3/14/2019

ANSI/AIAA S-102-1-5-2019, Performance-Based Failure Review Board (FRB) Requirements (new standard): 3/14/2019

ANSI/AIAA S-102-2-2-2019, Performance-Based System Reliability Modeling Requirements (new standard): 3/14/2019

ANSI/AIAA S-102-2-11-2019, Performance-Based Anomaly Detection and Response Analysis (new standard): 3/14/2019

ANSI/AIAA S-102-2-18-2019, Performance-Based Fault Tree Analysis Requirements (new standard): 3/14/2019

ANS (American Nuclear Society)

Revision

ANSI/ANS 19.1-2019, Nuclear Data Sets for Reactor Design Calculations (revision of ANSI/ANS 19.1-2002 (R2011)): 3/8/2019

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B89.4.22-2004 (R2019), Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines (CMM) (reaffirmation of ANSI/ASME B89.4.22-2004 (2014)): 3/8/2019

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI ATIS 0600413-2009 (R2019), Network to Customer Installation Interfaces - Asymmetric Digital Subscriber Line (ADSL) Metallic Interface (reaffirmation of ANSI ATIS 0600413-2009 (R2014)): 3/8/2019

Stabilized Maintenance

ANSI ATIS 0900002-2009 (S2019), Synchronization Standard - Physical Interconnection for Intra-Office Ethernet-Based Timing Distribution (stabilized maintenance of ANSI ATIS 0900002-2009 (R2014)): 3/8/2019

AWS (American Welding Society)

Revision

ANSI/AWS D15.1/D15.1M-2019, Railroad Welding Specification for Cars and Locomotives (revision of ANSI/AWS D15.1/D15.1M-2012): 3/8/2019

ESTA (Entertainment Services and Technology Association)

Reaffirmation

ANSI E1.34-2009 (R2019), Entertainment Technology - Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (reaffirmation of ANSI E1.34-2009 (R2014)): 3/8/2019

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

New National Adoption

INCITS/ISO 19160-4:2017 [2019], Information technology - Addressing - Part 4: International postal address components and template language (identical national adoption of ISO 19160-4:2017): 3/8/2019

INCITS/ISO/IEC 10118-4:1998/AM 1:2014 [2019], Information technology - Security techniques Hash-functions - Part 4: Hash-functions using modular arithmetic - Amendment 1: Object identifiers (identical national adoption of ISO/IEC 10118-4:1998/AM 1:2014): 3/8/2019

INCITS/ISO/IEC 11770-3:2015/COR 1:2016 [2019], Information technology - Security techniques Key management - Part 3: Mechanisms using asymmetric techniques - Technical Corrigendum 1 (identical national adoption of ISO/IEC 11770-3:2015/COR 1:2016): 3/8/2019

INCITS/ISO/IEC 15946-1:2016 [2019], Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 1: General (identical national adoption of ISO/IEC 15946-1:2016 and revision of INCITS/ISO/IEC 15946-1:2008 [R2014]): 3/8/2019

INCITS/ISO/IEC 18033-5:2015 [2019], Information technology - Security techniques - Encryption algorithms - Part 5: Identity-based ciphers (identical national adoption of ISO/IEC 18033-5:2015): 3/8/2019

INCITS/ISO/IEC 18370-2:2016 [2019], Information technology - Security techniques - Blind digital signatures - Part 2: Discrete logarithm based mechanisms (identical national adoption of ISO/IEC 18370-2:2016): 3/8/2019

INCITS/ISO/IEC 18384-1:2016 [2019], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 1: Terminology and concepts for SOA (identical national adoption of ISO/IEC 18384-1:2016): 3/8/2019

INCITS/ISO/IEC 18384-2:2016 [2019], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 2: Reference Architecture for SOA Solutions (identical national adoption of ISO/IEC 18384-2:2016): 3/8/2019

INCITS/ISO/IEC 18384-3:2016 [2019], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 3: Service Oriented Architecture ontology (identical national adoption of ISO/IEC 18384-3:2016): 3/8/2019

INCITS/ISO/IEC 19086-1:2016 [2019], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 1: Overview and concepts (identical national adoption of ISO/IEC 19086-1:2016): 3/8/2019

INCITS/ISO/IEC 29192-5:2016 [2019], Information technology - Security techniques - Lightweight cryptography - Part 5: Hash-functions (identical national adoption of ISO/IEC 29192-5:2016): 3/8/2019

INCITS/ISO/IEC 29192-4:2013/AM 1:2016 [2019], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques (identical national adoption of ISO/IEC 29192-4:2013/AM 1:2016): 3/8/2019

INCITS/ISO/IEC 30134-4:2017 [2019], Information technology - Data centres - Key performance indicators - Part 4: IT Equipment Energy Efficiency for servers (ITEEsv) (identical national adoption of ISO/IEC 30134-4:2017): 3/8/2019

INCITS/ISO/IEC 30134-5:2017 [2019], Information technology - Data centres - Key performance indicators - Part 5: IT Equipment Utilization for servers (ITEUsv) (identical national adoption of ISO/IEC 30134-5:2017): 3/8/2019

INCITS/ISO/IEC 19941:2017 [2019], Information technology - Cloud computing - Interoperability and portability (identical national adoption of ISO/IEC 19941:2017): 3/8/2019

INCITS/ISO/IEC 27000:2018 [2019], Information technology - Security techniques - Information security management systems - Overview and vocabulary (identical national adoption of ISO/IEC 27000:2018 and revision of INCITS/ISO/IEC 27000:2012 [2014]): 3/8/2019

INCITS/ISO/IEC 27009:2016 [2019], Information technology - Security techniques - Sector-specific application of ISO/IEC 27001 - Requirements (identical national adoption of ISO/IEC 27009:2016): 3/8/2019

INCITS/ISO/IEC 27001:2013/COR 1:2014 [2019], Information technology - Security techniques - Information security management systems - Requirements - Technical Corrigendum 1 (identical national adoption of ISO/IEC 27001:2013/COR 1:2014): 3/8/2019

NSF (NSF International)

Revision

ANSI/NSF 58-2019 (i82r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2017): 3/7/2019

ANSI/NSF 350-2019 (i32r3), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017): 2/17/2019

RVIA (Recreational Vehicle Industry Association)

Revision

ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles (revision of ANSI/RVIA UPA-1-2014): 3/8/2019

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 121-2018, Test Method for Downstream Bit Error Ratio (revision of ANSI/SCTE 121-2011): 3/8/2019

ANSI/SCTE 143-2018, Test Method for Salt Spray (revision of ANSI/SCTE 143-2013): 3/8/2019

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 102.BAEG-A-2019, Mobile Data Peripheral Interface (revision and redesignation of ANSI/TIA102.BAEG2013): 3/8/2019

ANSI/TIA 102.BAEJ-A-2019, Conventional Management Service Specification for Packet Data (revision and redesignation of ANSI/TIA102.BAEJ2013): 3/8/2019

ANSI/TIA 102.BAJC-B-2019, Tier 2 Location Services Specification (revision and redesignation of ANSI/TIA 102.BAJC-A-2015): 3/8/2019

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 67-2019, Standard for Safety for Panelboards (revision of ANSI/UL 67-2018): 3/6/2019

ANSI/UL 1316-2019, Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 1316-2006): 3/12/2019

ANSI/UL 1650-2019, Standard for Safety for Portable Power Cable (revision of ANSI/UL 1650-2016): 3/6/2019

ANSI/UL 2258-2019, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (revision of ANSI/UL 2258-2018): 3/12/2019

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.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9696, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM E2073-201x, Standard Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings (Reinstatement of E2073) (new standard)

Stakeholders: Photoluminescent Safety Markings industry.

Project Need: This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

This test method covers a procedure for determining the photopic luminance of photoluminescent (phosphorescent) markings. It does not cover scotopic or mesopic measurements.

BSR/ASTM WK63309-201x, New Specification for Polyethylene (PE) Electrofusion Fittings for Outside-Diameter-Controlled Crosslinked Polyethylene (PEX) Pipe (new standard)

Stakeholders: Fittings Industry

Project Need: The following safety hazards caveat pertains only to the test method portion, Section 9, of this specification: This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

This specification covers polyethylene (PE) electrofusion fittings for use with outside-diameter-controlled crosslinked polyethylene (PEX) pipe covered by Specifications F2788, F2905, and F2968.

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 B2.1-4-217-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] (revision of ANSI/AWS B2.1-4-217-2009)

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-4-218-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-4-218-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat-treated (PWHT) condition, using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-4-219-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2 and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-4-219-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat treated (PWHT) condition, using manual gas tungsten arc welding followed by manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-4-220-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515 and ER80S-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-4-220-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-4-221-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-4-221-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root, followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-5A-222-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-222-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-5A-223-201x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [13 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-223 -1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat-treated (PWHT) condition, using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-5A-224-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3 and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-224-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding followed by manual shielded arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-5A-225-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), IN521 and ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-225-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 3/4 inch [19 mm] in the postweld heat-treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

BSR/AWS B2.1-5A-226-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), IN521, ER90S-B3, and E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-5A-226-1999 (R2009))

Stakeholders: Manufacturers, welders, engineers, CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for chromium-molybdenum steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm] in the as-welded condition; or 1/8 inch [3 mm] through 1-1/2 inch [38 mm] in the postweld heat treated (PWHT) condition, using manual gas tungsten arc welding with a consumable insert root, followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This standard welding procedure specification (SWPS) was developed primarily for pipe applications.

ECIA (Electronic Components Industry Association)

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13873 Park Center Road, Suite 315, Herndon, VA 20171

Revision

BSR/EIA 364-31G-201x, Humidity Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-31F-2019)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate the current American National Standard.

The purpose of these tests is to evaluate materials and/or connector/socket assemblies as they are impacted by the effects of high humidity and heat. These tests are intended to be non-condensing.

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

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New Standard

BSR/ASSE 1096-201x, Automatic Compensating Valves for High Flow Plumbing Fixture Fittings (new standard)

Stakeholders: Current plumbing manufacturers of 1016 devices, 1070 devices, and other fixture fittings; homebuilders, plumbing inspectors, scald protection advocates, plumbing-system design engineers.

Project Need: Currently, bathtub fillers are either controlled by a 1016 device that is required to have a minimum flow rate of 2.5 gpm (9.5 L/min) or limited in temperature by a 1070 device that offers no max/min temperature control. The ability to quickly fill a tub while maintaining temperature control is not currently addressed in the US market. For a valve to have a much higher flow rate and pass the requisite safety tests, the dynamics of the valve will not be able to operate at the lower flow rate prescribed by the ASSE 1016 standard.

The scope is to create a corollary to ASSE 1070/ASME A112.1070/CSA B125.70 (i.e., a 1070 device) that includes both a temperature-limiting feature and a feature compensating for incoming pressure and/or temperature. The device controls the outlet temperature supplying fixture fittings other than shower or tub/shower combinations as defined in ASSE 1016/ASME A112.1016/CSA B125.16 (i.e., a 1016 device). The device is intended for but not exclusive to bathtub fillers and lavatory faucets. The user shall have access to flow and temperature controls.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
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New Standard

BSR/IES LM-82-201x, IES Approved Method: Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature (new standard)

Stakeholders: Accreditation bodies, manufacturers, specifiers, laboratories, governmental agencies, efficiency programs.

Project Need: In the past, industry needs to have temperature-dependent relative photometry for LED luminaires. This revision will add LED luminaires.

This approved laboratory method defines the procedures to quantify performance as a function of temperature of integrated LED lamps, LED light engines, and LED luminaires. This document provides data presentation method for ease of interpretation and comparison, which will assist users in selecting or evaluating LED lighting product.

BSR/IES LM-83-201x, Spatial Daylight Autonomy and Annual Sunlight Exposure (new standard)

Stakeholders: Lighting practitioners, AE community, regulatory agencies, building developers, software developers.

Project Need: In order to clarify the application and simulation of sDA and ASE, this will include topics relating to simulation methodologies, associated thresholds, and interpretation of the metrics. The following, more specific, areas may be addressed in this update: (1) Defining the ASE range between 7% and 10%; potential redefinition of ASE thresholds; (2) Determining whether an ASE threshold can make shade modeling for sDA unnecessary; (3) Updating the shade control algortihm for sDA; (4) Detailing simulation requirements based on various depths or room sizes; (5) Correction of latitude in the calculation of sDA; and (6) Miscellaneous items as the meetings evolve.

Assessing the dynamic qualities of a daylit space requires different methods of assessment than those that have been developed for a space that is electrically lighted. With electrical lighting, average illuminance is a significant and useful metric, especially in designs that aim to provide general illumination at a predetermined target illuminance. However, in a daylit space, average illuminance has less meaning.

BSR/IES LM-84-201x, Approved Method: Measuring Luminous, Radiant, and Photon Flux; and Color and Aspects of Spectral Maintenance of LED Lamps, Light Engines, and Luminaires (new standard)

Stakeholders: Testing laboratories, energy efficiency organizations and regulators, manufacturers of lighting products, lighting specifiers.

Project Need: To align with IES LM-79 to include the radiant/photon flux maintenance, and color/spectrum along with any revisions necessary.

This document provides the method for measurement of luminous, radiant, and photon flux maintenance; and color and aspects of spectral maintenance for integrated LED lamps, integrated; non-integrated LED lamps, non-integrated; LED light engines, LED luminaires, OLED light engines, and OLED Luminaires. The method describes the procedures to be followed and the precautions to be observed in obtaining and reproducing luminous flux and color maintenance measurements under standard operating conditions. This approved method does not provide guidance or recommendations regarding predictive estimations or extrapolation of lumen maintenance beyond the final measurement.

BSR/IES TM-21-201x, Approved Method: Projecting Long Term Lumen Maintenance of LED Light Sources (new standard)

Stakeholders: Lighting practitioners, luminaire manufacturers, LED light source manufacturers, light laboratories, energy efficiency organizations.

Project Need: This Technical Memorandum recommends a method of projecting the flux maintenance of LED light sources from the data obtained by IES LM-80-15 testing. This method shall not be used to predict lumen, photon, or radiant flux maintenance below 70%.

One of the benefits that LED light sources can provide is very long usable life. Unlike other lighting technologies, LEDs typically do not fail catastrophically during use. However, over time, the light output will gradually depreciate. At some point in time, the light emitted from an LED depreciates to a level where it is no longer considered adequate for a specific application. It is important in lighting design to understand when this “useful lifetime” of an LED source is reached.

Revision

BSR/IESNA LM-73-201x, IES Approved Method: Photometric Testing of Entertainment Luminaires Using HID, Incandescent Filament or LED Light Sources (revision of ANSI/IESNA LM-73-2004 (R2017))

Stakeholders: Luminaire manufacturers, testing labs, entertainment organizations and equipment manufacturers, lighting practitioners.

Project Need: Entertainment lighting luminaires usually have a much narrower beam distribution than other luminaires, such as those covered by IES LM-35, Approved Method for Photometric Testing of Floodlightings Using HID or Incandescent Filament Lamps. While IES LM-11, IESNA Guide for Photometric Testing of Searchlights, covers narrower beam distribution luminaires such test data as illuminance values on a vertical aiming plane and chromatic uniformity of the illuminating plane are not addressed.

To provide an industry standard for the measurement of entertainment luminaires, specifically designed for use in theater, television, film studio, digital recording, or on-site situations. This revision includes the addition of LED sources and needs to be brought up to the IES/TPC document structure. This work will be done in collaboration with ESTA and in accordance with ANSI/ESTA E1.9-2007 (R2012) "Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting" and ANSI/ESTA E1.25-2012 "Recommended Basic Conditions for Measuring the Photometric Output of Stage and Studio Luminaires by Measuring Illumination Levels Produced on a Planar Surface." The ESTA standards basically describe what measurements are required, not how to make the measurements.

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

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4043 South Eastern Avenue, Las Vegas, NV 89119

New Standard

BSR/IICRC S900-201x, Standard for Professional Remediation of Illicit Drugs, Cannabis, and Nicotine Residue (new standard)

Stakeholders: Companies performing remediation; property owners; property managers; government agencies, e.g., Housing and Urban Development; Insurance carriers including agents and adjusters; Independent insurance adjusting companies; Public property adjusters; Third-party administrators, Environmental hygiene companies, Property management agencies; and Real estate companies.

Project Need: With opioid use increasing each year, the need for properly trained companies performing remediation techniques within structures and on contents is also increasing. The potential exposure to residue from numerous illicit drugs dictates the need to have an assessment process that follows a standard operating procedure (SOP). The assessment SOPs can then be followed by remediation processes. While not an illicit drug in every state, region, or country, Cannabis use is increasing as several states have legalized recreational use, which also leaves residue with an accompanying odor and may be difficult to control or remove without proper training. The preceding issues with Cannabis can also be attributed to Nicotine residue. Due to the numerous chemicals found within nicotine, residue adheres to surfaces and compounds over extended periods of time, thus creating a difficult remediation process if companies are not properly trained.

Standard scope for assessment and remediation will encompass necessary processes for employers and workers when remediating materials and contents within structures affected by illicit drugs, cannabis, and nicotine residues. This standard covers the required personal protective equipment, engineering controls, proper work practices, and processes necessary for remediation, and covers specific methods based upon type of contamination, e.g., powder, chemical, and combustion residues.

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

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

New National Adoption

INCITS/ISO/IEC 1539-1:2018 [201x], Information technology - Programming languages - Fortran - Part 1: Base language (identical national adoption of ISO/IEC 1539-1:2018 and revision of INCITS/ISO/IEC 1539-1:2010 [R2018])

Stakeholders: ICT industry.

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

Specifies the form and establishes the interpretation of programs expressed in the base Fortran language. The purpose of this document is to promote portability, reliability, maintainability, and efficient execution of Fortran programs for use on a variety of computing systems. This document specifies the forms that a program written in the Fortran language can take, the rules for interpreting the meaning of a program and its data, the form of the input data to be processed by such a program, and the form of the output data resulting from the use of such a program. Except where stated otherwise, requirements and prohibitions specified by this document apply to programs rather than processors.

INCITS/ISO/IEC 9899:2018 [201x], Information technology - Programming languages - C (identical national adoption of ISO/IEC 9899:2018 and revision of INCITS/ISO/IEC 9899:2011 [R2017])

Stakeholders: ICT industry.

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

Specifies the form and establishes the interpretation of programs written in the C programming language. It specifies the representation of C programs; the syntax and constraints of the C language; the semantic rules for interpreting C programs; the representation of input data to be processed by C programs; the representation of output data produced by C programs; and the restrictions and limits imposed by a conforming implementation of C.

NAAMM (National Association of Architectural Metal Manufacturers)

Contact: Vernon (Wes) Lewis, (757) 489-0787, wlewis7@cox.net
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Reaffirmation

BSR/NAAMM HMMA 863-2014 (R201x), Guide Specifications for Detention Security Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 863-2014)

Stakeholders: Architects, engineers, and other design professionals in the detention industry.

Project Need: Security doors for detention applications are required in many detention-related facilities. This standard will be revised to bring it up to the current industry standards and relevant codes.

This standard provides guidance for the fabrication of security doors for detention applications.

Revision

BSR/NAAMM HMMA 862-201x, Guide Specifications for Commercial Security Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 862-2013)

Stakeholders: Architects, engineers, and other design agencies for new and updated construction.

Project Need: Commercial security doors are required for industry, government, and institutional use more now than in the recent past. This standard will be revised to provide updated guidance in accordance with current practice and current codes.

This standard provides guidance for the fabrication of security hollow metal doors for government, industry, and institutional use.

BSR/NAAMM HMMA 865-201x, Guide Specifications for Sound Control Hollow Metal Door and Frame Assemblies (revision of ANSI/NAAMM HMMA 865-2013)

Stakeholders: Architects, engineers, and other design professionals for the relevant stakeholders.

Project Need: Sound control doors are used in government, industry, and institutional applications when controlling the dispersion of sounds from meetings and other sensitive transactions. This standard will be updated to meet current practice and applicable codes.

This standard provides guidance for the construction and detailing of sound control door and frame assemblies.

NECA (National Electrical Contractors Association)

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Reaffirmation

BSR/NECA 600-2014 (R201x), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation of ANSI/NECA 600 -2014)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard describes installation procedures for shielded and non-shielded solid-dielectric medium-voltage cables rated from 600 volts to 69,000 volts AC and installed in conduits, ducts, or direct-buried. This publication applies to single- and multi-conductor cables used for distributing power for commercial, institutional, and industrial loads in nonhazardous locations both indoors and outdoors. It also covers periodic routine maintenance and troubleshooting procedures for medium-voltage cable, and special procedures used after adverse operating conditions such as short-circuit or ground-fault.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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Revision

BSR ICEA S-81-570-201x, Standard for 600 Volt Rated Cables of Ruggedized Design for Direct Burial Installation as Single Conductors or Assemblies of Single Conductors (revision of ANSI/ICEA S-81-570-2012)

Stakeholders: Utility, power, municipal.

Project Need: To revise existing standard.

This standard applies to the materials, constructions, and testing of single-conductor cables and assemblies of completed single-conductor cables used for the distribution of electrical energy at phase-to-phase voltages not exceeding 600 volts or phase-to-ground not exceeding 480 V, and at temperatures not exceeding 75°C or 90°C, as applicable to the construction. It requires the use of ruggedized extruded insulations to improve the resistance of the cable to certain forms of mechanical damage associated with their intended use as directly buried Secondary Distribution and Service Cables. These cables, when operated within the voltage and temperature limits stated in this standard, are also suitable for use in other types of installations under the conditions normally associated with those installations.

BSR/ICEA T-27-581/NEMA WC 53-201x, Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test (revision and redesignation of ANSI/ICEA T-27-581-2016)

Stakeholders: Utility, power, municipal.

Project Need: Current standard needed to be revised.

This Standard applies to the testing of covered conductors, extruded dielectric insulated power, control, instrumentation, and portable cables.

PLASTICS (Plastics Industry Association)

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New Standard

BSR/PLASTICS B151.2-201x, Safety Requirements for Plastic Film Casting Machinery (new standard)

Stakeholders: Machinery suppliers, producers, users, plastics processors.

Project Need: Film casting machinery has risks associated with its use. There is a need for a standard set of requirements to identify hazards and risk-reduction measures. New technology is available to conduct risk assessments and mitigate risks identified, including safeguarding.

This standard provides safety requirements, including risk assessment procedures for manufacturers and users of film casting machinery. The requirements of this standard shall apply to all film casting, cast embossing, laminating, and extrusion coating machinery (Machinery). The purpose of this standard is to identify and address known hazards to personnel working on, or adjacent to, the plastic film casting machinery.

BSR/PLASTICS B151.4-201x, Safety Requirements for Plastic Blown Film Take-Off and Auxiliary Equipment (new standard)

Stakeholders: Machinery suppliers, producers, users, plastics processors.

Project Need: This type of machinery has risks associated with its use. There is a need for a standard set of requirements to identify hazards and risk-reduction measures. New technology is available to conduct risk assessments and mitigate risks identified, including safeguarding.

This standard provides safety requirements, including risk assessment procedures for manufacturers and users of blown film take-off and auxiliary equipment machinery. The requirements of this standard shall apply to blown film collapsing, nip rolls, in-line bag sealers, separators, and folders (Machinery). The purpose of this standard is to identify and address known hazards to personnel working on, or adjacent to, the Machinery.

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
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ADA (Organization)
American Dental Association
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Web: www.ada.org

AGA (ASC Z223)
American Gas Association
400 North Capitol Street, NW
Washington, DC 20001
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Web: www.aga.org

AIAA
American Institute of Aeronautics and Astronautics
12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807
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Web: www.aiaa.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
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Web: www.ans.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
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Phone: (920) 579-1153
Web: www.apcoIntl.org

ASABE
American Society of Agricultural and Biological Engineers
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Phone: (269) 932-7015
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ASHRAE
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Web: www.ashrae.org

ASME
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ASTM
ASTM International
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ATIS
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AWS
American Welding Society
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Phone: (800) 443-9353
Web: www.aws.org

AWWA
American Water Works Association
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CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
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Web: www.csagroup.org

CTA
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ECIA
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EOS/ESD
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ESTA
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IICRC
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ITI (INCITS)
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NECA
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PLATO
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RESNET
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RVIA
Recreational Vehicle Industry Association

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SCTE
Society of Cable Telecommunications Engineers

140 Philips Road
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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.

12 Laboratory Dr.
Research Triangle Park, NC 27709
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Web: www.ul.com

ExSC_032_2019
March 15, 2019 *Standards Action*

Proposed Revision to ANSI's Appeals Procedures

The proposed revisions (click here) apply, as presented, to the ANSI Appeals Board Operating Procedures, the ANSI Board of Standards Review (BSR) Operating Procedures and the ANSI Executive Standards Council (ExSC) Operating Procedures. These revisions are proposed to clarify ANSI's various appeals and complaint options, ensure consistency across these options, where appropriate, and to address issues raised in connection with the implementation of the 2017 revision of these appeals provisions.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the ANSI online public library one week after the close of the public comment deadline. The ANSI ExSC will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by April 15, 2019.

IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

34C/1429/CD, IEC 61347-1/FRAG1 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1430/CD, IEC 61347-1/FRAG2 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1431/CD, IEC 61347-1/FRAG3 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1432/CD, IEC 61347-1/FRAG4 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1433/CD, IEC 61347-1/FRAG5 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1434/CD, IEC 61347-1/FRAG6 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1435/CD, IEC 61347-1/FRAG7 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1436/CD, IEC 61347-1/FRAG8 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1437/CD, IEC 61347-1/FRAG9 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1438/CD, IEC 61347-1/FRAG10 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1439/CD, IEC 61347-1/FRAG11 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1440/CD, IEC 61347-1/FRAG12 ED4: Lamp controlgear - Part 1: General and safety requirements, 2019/5/31

34C/1441/CD, IEC 61347-2-1 ED2: Lamp controlgear - Part 2-1: Particular requirements for starting devices (other than glow starters), 2019/5/31

34C/1442/CD, IEC 61347-2-11 ED2: Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, 2019/5/31

34C/1443/CD, IEC 61347-2-12 ED2: Lamp controlgear - Part 2-12: Particular requirements for d.c. or a.c. supplied electronic controlgear for discharge lamps (excluding fluorescent lamps), 2019/5/31

34C/1444/CD, IEC 61347-2-3 ED3: Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps, 2019/5/31

34C/1445/CD, IEC 61347-2-2 ED3: Lamp controlgear - Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down convertors for filament lamps, 2019/5/31

34C/1446/CD, IEC 61347-2-13 ED3: Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules, 2019/5/31

47E/647/NP, PNW TS 47E-647: Future IEC 60747-19-2: Semiconductor devices - Part 19-2: Smart sensors - Indication of specifications of smart sensors and power supplies to drive smart sensors, 2019/5/31

48B/2728/CD, Connectors for electrical and electronic equipment - Product requirements - Part 2-010: Circular connectors - Detail specification for push pull connectors with outer locking mechanism, based on mating interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113, 2019/5/31

48B/2731/CD, IEC 61076-3-126 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 3-126: Rectangular connectors - Detail specification for 5way power connector for industrial environments with push-pull locking, 2019/5/31

65E/653/DTR, IEC TR 63082-1 ED1: Intelligent Device Management - Part 1: Concepts and Terminology, 019/5/3/

121B/80/CDV, IEC 61439-1 ED3: Low-voltage switchgear and controlgear assemblies - Part 1: General rules, 2019/5/31

121A/277/CDV, IEC 60947-5-8 ED2: Low-voltage switchgear and controlgear - Part 5-8: Control circuit devices and switching elements - Three-position enabling switches, 2019/5/31

124/57/CD, IEC 63203-401-1 ED1: Wearable electronic devices and technologies - Part 401-1: Devices and Systems - Functional elements - Evaluation method of the stretchable resistive strain sensor, 019/5/3/

124/58/CD, IEC 63203-101-1 ED1: Wearable electronic devices and technologies - Part 101-1: Terminology, 019/5/3/

124/59/CD, IEC 63203-204-1 ED1: Wearable electronic devices and technologies - Part 204-1: Electronic textile - Washable durability test method for leisure and sportswear e-textile system, 019/5/3/

124/60/CD, IEC 63203-402-1 ED1: Wearable electronic devices and technologies - Part 402-1: Devices and Systems - Accessory - Test and evaluation methods of glove-type motion sensors for measuring finger movements, 019/5/3/

3/1393/FDIS, IEC 81346-2 ED2: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 2: Classification of objects and codes for classes, 2019/4/19

38/606/CD, IEC 61869-1 ED2: Instrument transformers - Part 1: General requirements, 2019/5/31

85/677/CD, IEC TR 63242 ED1: Non-Intrusive Load Monitoring (NILM) Systems, 2019/5/31

101/581/DTR, IEC TR 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 019/5/3/

106/484/FDIS, IEC 62209-2/AMD1 ED1: Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), 2019/4/19

40/2662/CDV, IEC 60115-1 ED5: Fixed resistors for use in electronic equipment - Part 1: Generic specification, 2019/5/31

57/2080B/DC, IEC TR 61850-90-20 ED1, Communication networks and systems for power utility automation - Part 90-20: Guideline to redundancy systems, 2019/4/12

57/2082/DC, Draft for comments on IEC TR 61850-10-3 - Communication networks and systems for power utility automation - Part 10-3: Functional Testing of IEC 61850 based systems, 2019/4/19

78/1256/FDIS, IEC 61482-1-1 ED2: Live working - Protective clothing against the thermal hazards of an electric arc - Part 1-1: Test methods - Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc, 2019/4/19

82/1571/DTS, IEC TS 62804-2 ED1: Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation - Part 2: Thin-film, 2019/5/31

89/1462/CDV, IEC 60695-4 ED5: Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products, 2019/5/31

100/3202/CDV, IEC 60268-16 ED5: Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index, 2019/5/31

110/1087/NP, PNW 110-1087: Future of IEC 62595-2-5: Display lighting unit - Part 2-5: Measurement method for optical quantities of lighting units with arbitrary shapes, 019/5/3/

110/1088/CD, IEC 62977-2-1 ED1: Electronic displays - Part 2-1: Measurements of optical characteristics - Fundamental measurements, 019/5/3/

110/1089/CD, IEC 62977-3-4 ED1: Electronic displays - Part 3-4: Evaluation of optical performances - High dynamic range displays, 019/5/3/

110/1090/NP, PNW 110-1090: Electronic displays - Part 3-9: Evaluation of optical performances - Measurements of display sparkle contrast, 019/5/3/

CIS/F/765/AC, Secretariat of CIS/F: Interference relating to household appliances tools, lighting equipment and similar apparatus, 2019/5/31

Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 23050:2019, Information technology - Data centres - Impact on data centre resource metrics of electrical energy storage and export, $68.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 25178-607:2019, Geometrical product specifications (GPS) - Surface texture: Areal - Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments, $138.00

ERGONOMICS (TC 159)

ISO 24508:2019, Ergonomics - Accessible design - Guidelines for designing tactile symbols and characters, $103.00

FINE CERAMICS (TC 206)

ISO 20501:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Weibull statistics for strength data, $185.00

HEALTH INFORMATICS (TC 215)

ISO/IEEE 11073-10207:2019, Health informatics - Personal health device communication - Part 10207: Domain information and service model for service-oriented point-of-care medical device communication, $232.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO 21248:2019, Information and documentation - Quality assessment for national libraries, $232.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 2376:2019, Anodizing of aluminium and its alloys - Determination of breakdown voltage and withstand voltage, $45.00

NICKEL AND NICKEL ALLOYS (TC 155)

ISO 12725:2019, Nickel and nickel alloy castings, $68.00

PAPER, BOARD AND PULPS (TC 6)

ISO 11093-9:2019, Paper and board - Testing of cores - Part 9: Determination of flat crush resistance, $45.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 8068/Amd1:2019, Lubricants, industrial oils and related products (class L) - Family T (Turbines) - Specification for lubricating oils for turbines - Amendment 1: Filterability tests according to ISO 13357-1 and ISO 13357-2 - Requirements related to the stage of the test method, $19.00

PLASTICS (TC 61)

ISO 14851:2019, Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by measuring the oxygen demand in a closed respirometer, $138.00

ISO 21304-1:2019, Plastics - Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials - Part 1: Designation system and basis for specifications, $68.00

ISO 21306-1:2019, Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications, $45.00

ISO 21306-2:2019, Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, $45.00

SAFETY OF TOYS (TC 181)

ISO 8124-4/Amd2:2019, Safety of toys - Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use - Amendment 2, $19.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO 13993:2019, Rental ski shop practice - Sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications, $103.00

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

ISO 20318-2:2019, Mechanical pencils and leads for general use - Classification, dimensions, quality and test methods - Part 2: Black leads, $68.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO 21300:2019, Traditional Chinese medicine - Guidelines and specification for Chinese materia medica, $68.00

ISO 22212:2019, Traditional Chinese medicine - Gastrodia elata tuber, $103.00

ISO 20498-1:2019, Traditional Chinese medicine - Computerized tongue image analysis system - Part 1: General requirements, $68.00

ISO Technical Reports

NANOTECHNOLOGIES (TC 229)

ISO/TR 21386:2019, Nanotechnologies - Considerations for the measurement of nano-objects and their aggregates and agglomerates (NOAA) in environmental matrices, $138.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

ISO/TS 16843-5:2019, Health Informatics - Categorial structures for representation of acupuncture - Part 5: Cupping, $68.00

ISO/IEC JTC 1, Information Technology

ISO/IEC/IEEE 15026-1:2019, Systems and software engineering - Systems and software assurance - Part 1: Concepts and vocabulary, $162.00

IEC Standards

AUTOMATIC CONTROLS FOR HOUSEHOLD USE (TC 72)

IEC 60730-2-8 Ed. 3.0 b:2018, Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements, $281.00

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

IEC 62966-1 Ed. 1.0 b:2019, Mechanical structures for electrical and electronic equipment - Aisle containment for IT cabinets - Part 1: Dimensions and mechanical requirements, $117.00

IEC 61076-3-124 Ed. 1.0 b:2019, Connectors for electrical and electronic equipment - Product requirements - Part 3-124: Rectangular connectors - Detail specification for 10-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz, $281.00

IEC 60512-99-002 Ed. 1.0 b:2019, Connectors for electrical and electronic equipment - Tests and measurements - Part 99-002: Endurance test schedules - Test 99b: Test schedule for unmating under electrical load, $82.00

FIBRE OPTICS (TC 86)

IEC 62148-21 Ed. 1.0 b:2019, Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA), $82.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

IEC 63093-4 Ed. 1.0 b:2019, Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 4: RM-cores, $235.00

POWER ELECTRONICS (TC 22)

IEC 62909-2 Ed. 1.0 b:2019, Bi-directional grid-connected power converters - Part 2: Interface of GCPC and distributed energy resources, $164.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

IEC 61968-4 Ed. 2.0 b:2019, Application integration at electric utilities - System interfaces for distribution management - Part 4: Interfaces for records and asset management, $410.00

POWER TRANSFORMERS (TC 14)

IEC 60076-22-3 Ed. 1.0 b:2019, Power transformers - Part 22-3: Power transformer and reactor fittings - Insulating liquid to air heat exchangers, $164.00

IEC 60076-22-4 Ed. 1.0 b:2019, Power transformers - Part 22-4: Power transformer and reactor fittings - Insulating liquid to water heat exchangers, $199.00

SEMICONDUCTOR DEVICES (TC 47)

IEC 62228-3 Ed. 1.0 b:2019, Integrated circuits - EMC evaluation of transceivers - Part 3: CAN transceivers, $352.00

IEC 62433-1 Ed. 1.0 en:2019, EMC IC modelling - Part 1: General modelling framework, $317.00

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.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 234 – Fisheries and Aquaculture

ANSI has been informed that American Society of Agricultural and Biological Engineers (ASABE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 234, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 234 operates under the following scope:

Standardization in the field of fisheries and aquaculture, including, but not limited to, terminology, technical specifications for equipment and for their operation, characterization of aquaculture sites and maintenance of appropriate physical, chemical and biological conditions, environmental monitoring, data reporting, traceability and waste disposal.

Excluded:

- methods of analysis of food products and traceability (covered by ISO/TC 34);
- personal protective clothing (covered by ISO/TC 94);
- environmental monitoring (covered by ISO/TC 207).

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

U.S. Technical Advisory Groups

Transfer of U.S.TAG Administrator

U.S. TAG to ISO/TC 94/SC 15 – Respiratory Protective Devices

As no comments were received in response to the February 8, 2019 announcement in Standards Action of the transfer of TAG Administrator responsibilities for the US TAG to ISO/TC 94/SC 15, Respiratory protective devices from the National Institute of Occupational Safety and Health (NIOSH) to ASTM, this action is formally approved, effective March 12, 2019. For any related questions, please contact: Ms. Mary Mikolajewski, Manager, Technical Committee Operations, ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; phone: 610.832.9678; e-mail: mmikolajewski@astm.org.

Meeting Notice

ANSI Z359 Committee for Fall Arrest/Protection

The American Society of Safety Professionals (ASSP) serves as the secretariat of the ANSI Z359 Committee for Fall Arrest/Protection. The next meeting of the Z359 Committee will take place on April 2, 3 & 4 2019 in Schaumburg, IL. Those interested in participating can contact ASSP for additional information at OMunteanu@assp.org.

Information Concerning

Call for U.S. TAG Administrators

TC 72 – *Textile Machinery and Accessories*

There is currently no ANSI-accredited U.S. TAG Administrator for TC 72, TC 72/SC 1, TC 72/SC 3, TC 72/SC 5, TC 72/SC 8, and TC 72/SC 10, and therefore ANSI is not a member of these committees. The Secretariats for these committees are currently held by Switzerland (SNV) for TC 72, TC 72,SC 1, and TC 72/SC 10; and Germany (DIN) for TC 72/SC 3, TC 72/SC 5, and TC 72/SC 8.

TC 72 operates under the following scope:

Standardization of textile machinery, parts thereof and of accessories; machinery for dry-cleaning and industrial laundering and parts thereof and of accessories.

TC 72/SC 1 operates under the following scope:

Spinning preparatory, spinning, twisting and winding machinery and accessories

TC 72/SC 3 operates under the following scope:

Machinery for fabric manufacturing including preparatory machinery and accessories

TC 72/SC 5 operates under the following scope:

Industrial laundry and dry-cleaning machinery and accessories

TC 72/SC 8 operates under the following scope:

Safety requirements for textile machinery

TC 72/SC 10 operates under the following scope:

Common standards

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG for these committees should contact ANSI's ISO Team (isot@ansi.org) for more information.

Information Concerning

Meeting Notice and Call for Members for the New INCITS Technical Committee on Digital Manufacturing (US TAG to JTC 1/WG 12 – 3D Printing and Scanning)

Organizational Meeting – April 16, 2019

The organizational meeting of the INCITS/Digital Manufacturing will be held electronically via WebEx on April 16, 2019 (12:00 PM to 4:00 PM (Eastern) / 9:00 AM to 1:00 PM (Pacific)). The agenda, related documents and instructions for joining the WebEx meeting will be distributed on April 2 to organizational representatives that have requested membership on the new committee. RSVPs for the meeting should be submitted to Bill Ash (bash@itic.org) as soon as possible.

The INCITS Executive Board established a new Technical Committee INCITS/Digital Manufacturing and delegated the US TAG responsibilities for JTC 1/WG 12 – 3D Printing and Scanning to this new INCITS Technical Committee. In addition to serving as the US TAG to JTC 1/WG 12, the scope of INCITS/Digital Manufacturing will include the development of ICT standards specifically relevant to digitally enabling the prototyping and manufacturing of physical objects. As necessary and when not covered elsewhere, this will include nomenclature, frameworks, interface and protocol specifications, and format specifications required for facilitating the digital control of the production and supply of physical objects including but not limited to additive and subtractive fabrication and automated assembly and distribution.

Scope of JTC 1/WG 12 on 3D Printing and Scanning – JTC 1/WG 12 was established with the following terms of reference:

1. *Serve as a focus of and proponent for JTC 1's standardization program on 3D Printing and Scanning.*
2. *Develop ICT related foundational standards for 3D Printing and Scanning upon which other standards can be developed.*
3. *Develop other 3D Printing and Scanning standards that are built upon the foundational standards when relevant ISO and IEC committees that could address these standards do not exist or are unable to develop them.*
4. *Identify gaps and opportunities in 3D Printing and Scanning standardization.*
5. *Develop and maintain liaisons with all relevant ISO and IEC committees as well as with external organizations that have interests in 3D Printing and Scanning.*
6. *Engage with 3D Printing and Scanning communities to raise awareness of JTC 1 standardization efforts and provide an open platform for discussion and further cooperation.*
7. *Develop and maintain a list of existing 3D Printing and Scanning standards produced and standards development projects underway in ISO TCs, IEC TCs and JTC 1.*

The INCITS committee will operate under the ANSI-accredited procedures for the InterNational Committee for Information Technology Standards (INCITS); (see INCITS Organization, Policies and Procedures). Additional information can also be found at http://www.INCITS.org and http://www.incits.org/participation/membership-info.

The complete meeting notice and membership information can be found at https://standards.incits.org/apps/group_public/document.php?document_id=106474&wg_abbrev=eb.

BSR/ASHRAE Addendum x to
ANSI/ASHRAE Standard 34-2016

Public Review Draft

Proposed Addendum x to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (March 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 https://www.ashrae.org/technical-resources/standards-and-guidelines/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

BSR/ASHRAE Addendum x to ANSI/ASHRAE Standard 34-2016, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

(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 addendum adds the zeotropic refrigerant blend R-467A in Table 4-2.

[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 x to 34-2016

Add the following underlined data to Table 4-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 467A
Composition (Mass %) = R-32 / 125 / 134a / 600a (22.0 /5.0 / 72.4 / 0.6)
Composition tolerances = +0.1,-0.5 / ±0.5 / +0.5,-1.5 / ±0.1
OEL = 1000
Safety Group = A2L
RCL = 31,000 ppm v/v; 6.7 lb/Mcf; 110 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

The following data will be added to Informative Table D-2 and is not open for comment in this public review.

TABLE D-2 Data for Refrigerant Blends

Refrigerant Number = 467A
Composition (Mass %) = R-32 / 125 / 134a / 600a (22.0 /5.0 / 72.4 / 0.6)
Average Molecular Mass = 84.4 g/mol
Bubble Point (°F) = -40.9
Bubble Point (°C) = -40.5
Dew Point (°F) = -27.9
Dew Point (°C) = -33.3

BSR/ASHRAE Addendum y to
ANSI/ASHRAE Standard 34-2016

Public Review Draft

Proposed Addendum y to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (March 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 https://www.ashrae.org/technical-resources/standards-and-guidelines/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

BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 34-2016, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

(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 addendum adds the zeotropic refrigerant blend R-468A in Table 4-2.

[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 x to 34-2016

Add the following underlined data to Table 4-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 468A
Composition (Mass %) = R-1132a / 32 / 1234yf (3.5 / 21.5 / 75.0)
Composition tolerances = (+0.2,-1.5 / ±2.0 / ±2.0)
OEL = 610
Safety Group = A2L
RCL = 18,000 ppm v/v; 4.1 lb/Mcf; 66 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

The following data will be added to Informative Table D-2 and is not open for comment in this public review.

TABLE D-2 Data for Refrigerant Blends

Refrigerant Number = 468A
Composition (Mass %) = R-1132a / 32 / 1234yf (3.5 / 21.5 / 75.0)
Average Molecular Mass = 88.8 g/mol
Bubble Point (°F) = -60.3
Bubble Point (°C) = -51.3
Dew Point (°F) = -38.2
Dew Point (°C) = -39.0

American Water Works Association

Dedicated to the World's Most Important Resource™

ANSI/AWWA C651a-19
January 2019

Addendum to
ANSI/AWWA C651-14
Standard
For

Disinfecting Water Mains

Revise the scope of the standard, with the addition of the following to Section 1.1 Scope:

This standard is meant to be used for water mains within public water systems and is not intended for premise plumbing systems. Premise plumbing components use a wide variety of materials, including some that may not be compatible with the chlorine concentrations in this standard.

Proposed Addendum 3 for RP-16-17, *Nomenclature and Definitions for Illuminating Engineering*

New terms:

11.7 obtrusive light

Direct or reflected light that, because of quantitative, directional or spectral attributes in a given context, causes annoyance, discomfort, distraction or a reduction in the ability to see.

11.7.3 sky glow

The brightening of the night sky that results from the scattering and reflection of light from the constituents of the atmosphere (gaseous molecules and aerosols), in the direction of the observer. It has two separate component: natural sky glow and artificial sky glow.

11.7.3.1 natural sky glow

That part of sky glow which is attributable to natural sources. It is composed of starlight, zodiacal light (scattering of sunlight from dust in the solar system), and airglow (radiation from luminescent processes in the earth's upper atmosphere).

11.7.3.2 artificial sky glow

That part of sky glow which is attributable to scattering of light from human-made sources of radiation (e.g., outdoor electric lighting), including radiation that is emitted directly upward and radiation that is reflected from surfaces.

8.4.10 absolute photometry

Measurement of the actual photometric quantities produced by a lighting product under test. Also called *direct photometry*. (See also relative photometry.)

8.4.11 relative photometry

Measurement of the photometric quantities of a lighting product, which are then scaled to represent performance at the rated lumen or spectral output of a test lamp. (See also absolute photometry.)

7.5.5 attenuation coefficient

(μ)

The decrement in flux per unit distance in a given direction within a medium and defined by the relation: $\Phi(r) = \Phi(0) \cdot e^{-\mu r}$ where $\Phi(r)$ is the flux at a distance r from a reference point having flux $\Phi(0)$.

11.5.19 luminance coefficient, q

In Roadway Lighting:

At a surface of a medium, in a given direction, under specified conditions of illumination: The quotient of the luminance of the surface element in the given direction by the illuminance on the medium, expressed by:

$q = L/E$,

where:

L is the luminance in cd/m^2

E is the illuminance in lx

Unit: sr^{-1}

11.5.20 reduced luminance coefficient, *r*

In Roadway Lighting:

The luminance coefficient, q, multiplied by the cube of the cosine of the angle of incidence, $(\cos\ \gamma)^3$, of the light on the point (see figure):

$r = q\ (\cos\gamma)^3$,

where:

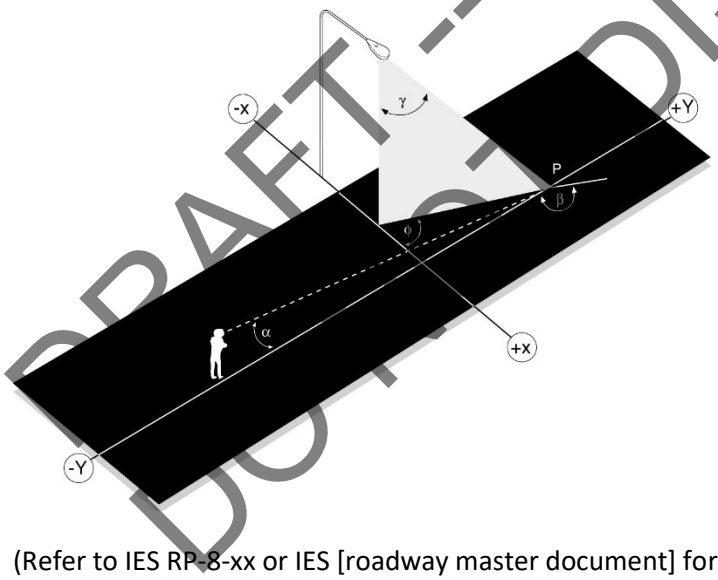
q is the luminance coefficient in sr^{-1}

γ is the angle of incidence in degrees

Unit: sr^{-1}

Note 1: The angle of observation α, affects the value of r. By convention, this angle is fixed at 1° for roadway lighting calculations.

Note 2: The reduced luminance coefficient is used for determining the luminance of a point of infinitesimal size in the roadway luminance formula.



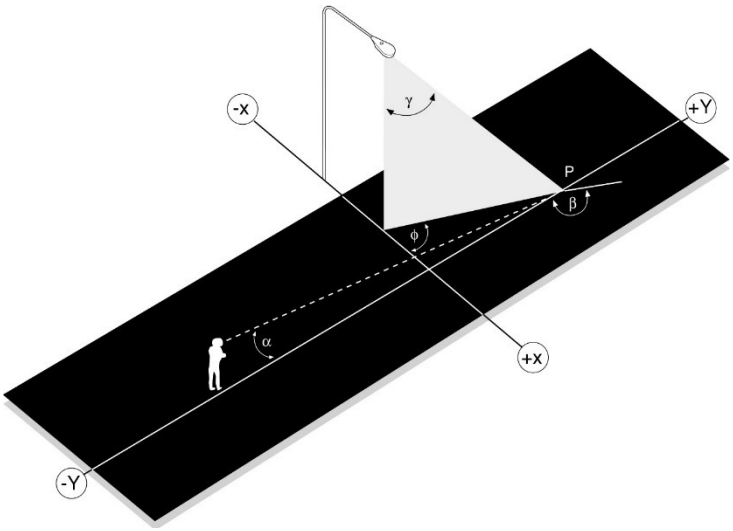
(Refer to IES RP-8-xx or IES [roadway master document] for the formula for roadway luminance.)

11.5.21 r-table

In Roadway Lighting:

A table of reduced luminance coefficient values (see Section xx) for a category of pavement. Values in the table are dependent on the variables β and tan γ, where β is 180 minus the angle (as seen in plan view) between the line from the observer to the point of infinitesimal size and the line from the luminaire to the point, in degrees. The value of tan γ is the distance along the plane of the road under the luminaire to the discrete point, divided by the mounting height of the luminaire. (See figure.)

The factors given in the table have been multiplied by 10^4. This multiplying factor, MF, is divided out in the formula for roadway luminance at the point. (Refer to IES RP-8-18 for the formula for roadway luminance and the r-tables themselves.)



6.12 solid state lighting (SSL)

Lighting that uses light-emitting diodes (LED), organic light-emitting diodes (OLED), or polymer light-emitting diodes (PLED) as sources of illumination.

4.11 spectral power distribution (SPD)

A tabular or graphical representation of the radiant power emitted by a source at each wavelength or within bands of wavelengths across the electromagnetic spectrum.

7.5.3.14.1 spectral transmittance distribution

A tabular or graphical representation of the radiant power transmitted through a medium at each wavelength, or within bands of wavelengths, across the electromagnetic spectrum, or some portion of it.

13.3.3 spill light

In Floodlighting:

The light emitted by a floodlight that is outside the floodlight distribution as defined by the field angle classification.

2.6.3 total spectral radiant flux

(W/nm)

Spectral radiant flux emitted from a source, integrated over all directions (4π sr).

11.7.3 upward light output ratio

(ULOR)

Proportion of the total flux of the lamp(s) of a luminaire that is emitted by the luminaire above the horizontal when the luminaire is mounted in its intended (factory-designed) position.

11.7.4 upward light ratio

(ULR)

Proportion of the luminous flux of a luminaire that is emitted above the horizontal to the total luminaire luminous flux when the luminaire is in its installed position.

New controls terms:

13.3.5 institutional tuning

Adjustment of the maximum light level and/or the spectrum in a space, set by the owner, tenant, or designer.

13.3.6 spectral tuning

Adjustment of a source spectrum in response to task, space, or occupant needs.

13.3.7 high-end trim

The capability of a lighting control system to limit the maximum light output to a level below its maximum factory setting.

13.4 lighting system

A collection of daylighting and/or electric lighting equipment that function together to generate, deliver and control the light in an application.

13.5 networked lighting control system

A lighting control system with multiple components that are interconnected, permitting one-way or two-way communication with the devices.

13.6 lumen maintenance control

A lighting control strategy that increases light source power over time to maintain light levels as sources age, dirt accumulates in luminaires, or both.

Note: This strategy allows for energy savings early in the life of a system.

Also known as *lumen depreciation compensation* or *constant lumen output*.

13.7 load shedding

A control strategy for selectively reducing the load of a system on a temporary basis to reduce energy usage. NOTE: A building manager or utility may utilize load shedding to avoid peak pricing or to avoid a condition where electricity demand exceeds supply.

13.8 photocell

A solid-state device that converts light into electrical energy by producing current, as in a photovoltaic cell, or uses light to regulate the flow of current, as in a photoconductive cell.

[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 grey 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 Wastewater Treatment Systems —

Residential wastewater treatment systems

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8 Performance testing and evaluation

This Section describes the methods used to evaluate the performance of residential wastewater treatment systems. Systems shall be designated as Class I or Class II. The performance classification shall be based upon the evaluation of effluent samples collected from the system over a 6 mo period.

8.1 Preparations for testing and evaluation

8.1.1 The system shall be assembled, installed, and filled in accordance with the manufacturer's instructions.

8.1.2 The manufacturer shall inspect the system for proper installation. If no defects are detected and the system is judged to be structurally sound, it shall be placed into operation in accordance with the manufacturer's start-up procedures. If the manufacturer does not provide a filling procedure, ⅔ of the system's capacity shall be filled with water and the remaining ⅓ shall be filled with residential wastewater.

8.1.3 The system shall undergo design loading (see Section 8.2.2.1) until testing and evaluations are initiated. Sample collection and analysis shall be initiated within 3 wk of filling the system and, except as specified in Section 8.5.1.2, shall continue without interruption until the end of the evaluation period.

8.1.4 If conditions at the testing site preclude installation of the system at its normally prescribed depth, the manufacturer shall be permitted to cover the system with soil to achieve normal installation depth.

8.1.5 Performance testing and evaluation of systems shall not be restricted to specific seasons.

8.1.6 When possible, electrical or mechanical defects shall be repaired to prevent evaluation delays. All repairs made during the performance testing and evaluation shall be documented in the final report.

8.1.7 The system shall be operated in accordance with the manufacturer’s instructions. However, routine service and maintenance of the system shall not be permitted during the performance testing and evaluation period.

> ~~NOTE —~~ The manufacturer may recommend or offer more frequent service and maintenance of the system but for the purpose of performance testing and evaluation, service and maintenance shall not be performed beyond what is specified in this Standard.

Rationale: An informative NOTE cannot contain a requirement (shall).

8.1.8 Prior to initiation of design loading, the air delivery component (if one is utilized)—either air compressor or blower—shall be connected to the system and run for a minimum of four hours. Air pressure shall be measured by a pressure gauge installed near the exhaust port of the air delivery component and that reading recorded. ~~Then the air compressor or blower component shall be disconnected from the system and the air flow measured at the system pressure and recorded.~~

8.1.9 When it is not possible to measure pressure on the system under test, the measurement may be completed with a separate air delivery component plumbed to a different tank. All plumbing and air distribution components used in the tested system shall be installed with the air delivery component. Potable water or wastewater shall be used. Air distribution outlets or diffusers shall be located at the same depth as in the tested system. The air delivery component shall be run for a minimum of four hours. Air pressure shall be measured by a pressure gauge installed near the exhaust port of the air delivery component and that reading recorded.

Rationale: Section 8.1.9 provides a way to deal with previously certified systems without the need to install an actual treatment system in the ground. In this situation, an equivalent measurement can be made by installing the normal aeration system plumbing in a clean water tank. Tank geometry is irrelevant. The only critical factor is getting the diffusers to the same depth as the tested system. Backpressure will be the same whether you use clean water or wastewater.

8.1.10 Following the pressure measurement, a separate air delivery component shall be tested for flow. This air delivery component shall be plumbed into the rig diagrammed below. After adjusting the backpressure to the pressure measured in 8.1.8 or 8.1.9, the air delivery component shall run for a minimum of four hours. After the four-hour minimum run time, backpressure shall be adjusted if needed to match pressure measured in 8.1.8 or 8.1.9 and then flow shall be measured and recorded.

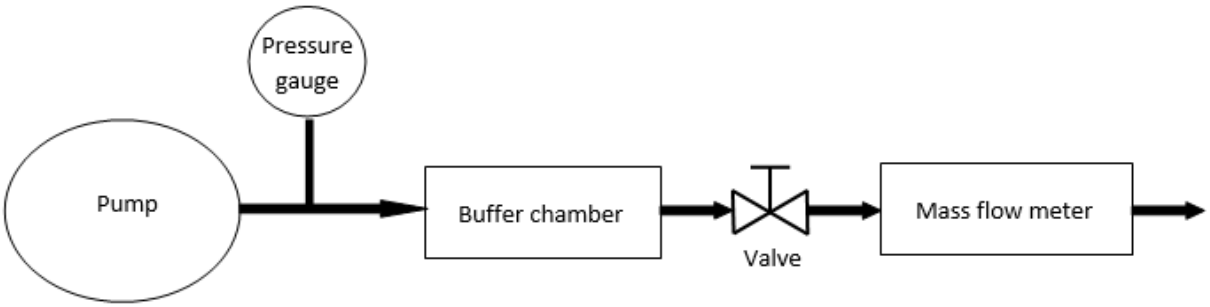

Figure 1

[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 grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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9 Recessed automatic surface skimmers

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9.2 Weir

9.2.1 A skimmer shall have a weir that operates freely with continuous action and adjusts automatically to variations in water level over a minimum range of 4 in (102 mm), or 3 in (76 mm) if an auto-fill pool water level control device is used when operated at the ~~maximum~~ minimum design flow rate (see Annex E, Section E.2).

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9.9 Operation and installation instructions

9.9.1 The manufacturer shall provide written operation and installation instructions with each unit. The instructions shall include drawings, charts, head loss curves, and parts lists necessary for the proper installation, operation, and maintenance of the skimmer.

9.9.2 A skimmer equipped with an equalizer shall have, in its operation and installation instructions:

— a warning that the skimmer is to be installed with an equalizer wall or drain fitting conforming to ANSI/ASME A112.19.8 to prevent hair or body entrapment at the skimmer equalizer;

— the skimmer manufacturer shall specify the minimum flow rating of the suction fitting (which meets or exceeds the maximum flow rating of the skimmer suction line); and

— to address jurisdictions that do not allow skimmers to be installed with equalizer lines, the skimmer manufacturer shall provide instructions for disabling (i.e., installation of the skimmer without the equalizer line) the equalizer line.

The skimmer manufacturer may or may not supply the suction fitting with the skimmer.

9.9.3 A skimmer's ~~maximum~~ flow ratings (GPM, LPM) shall be specified by the manufacturer and conform to Section 9.3.3.1, 9.9.3.2, and 9.9.3.3 when applicable. ~~based on the nominal pipe size intended to plumb the suction line (and/or equalizer line). The maximum velocity for any nominal pipe size shall not exceed 6 FPS (1.83 MPS).~~ When skimmers include water level based, maximum flow rating marks inside the housing, instructions shall indicate they are to be observed by users when the skimmer is off (i.e., no flow).

9.9.3.1 The minimum flow rating shall develop an even flow over the full width of the weir when tested at the skimmer's lowest operating water level (see Annex E, Section E.2).

9.9.3.2 The maximum flow rating for each indicated operating water level shall not exceed the nominal pipe sizes specified by the manufacturer or entrain air in the suction line (see Annex E, Section E.2). The maximum velocity for any nominal pipe size specified shall not exceed 6 FPS (1.83 MPS). Velocity calculations shall be based on the nominal inside diameter for ASTM D1785 schedule 40 PVC pipe.

9.9.3.3 The manufacturer may optionally specify water level based, maximum flow ratings within the operating range of the weir (e.g., the normal, mid-point operating level) that are higher than the maximum flow rating achieved when tested at the lowest operating water level of the weir (see Annex E, Section E.2). When multiple water level based flow ratings are used, each shall be indicated on a data plate inside the skimmer housing that is permanent, easy to read, and securely attached, cast or stamped at the appropriate water elevation. The elevation of these markings shall be set and observed when the pump is off.

9.10 Data plate

A skimmer shall have a data plate that is permanent, easy to read, and securely attached, cast or stamped into the cover or skimmer housing at a location readily accessible after installation. The data plate shall contain the following information:

— manufacturer's name and contact information (address, phone number, website, or prime supplier);

— skimmer model number;

— minimum design flow rate in gallons/minute (liters/minute);

— maximum design flow rate in gallons/minute (liters/minute); and

— multiple water level based maximum design flow rates in gallons/minute (liters/minute) that refer to or are located adjacent water level marks located inside the skimmer housing, if applicable.

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Annex E
(normative)

Test methods for the evaluation of recessed automatic skimmers

NOTE — The test conditions specified in this Annex are not intended to represent recommended field use conditions.

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E.2 Weir opening

E.2.1 Purpose

The purpose of this test is to verify that a weir will automatically adjust to changes in the water level when operating at the minimum, maximum, and when used, water level based design flow rates.

E.2.2 Apparatus

— turbidimeter scaled in nephelometric turbidity units (NTU) accurate to ± 2 NTU;
— temperature-indicating device accurate to ± 2 °F (± 1 °C);
— adequately sized tank and pump to deliver required flow; and
— flow measuring device accurate to ± 3%.

E.2.3 Test water

	Swimming pools	**Hot tubs/ spas**
water temperature	75 ± 10 °F (24 ± 6 °C)	102 ± 5 °F (39 ± 3 °C)
turbidity	≤ 15 NTU	≤ 15 NTU

E.2.4 Weir opening and flow rating confirmation test method

E.2.4.1 Weir operation and minimum flow rating test method

a) Install the skimmer to the test tank in accordance with the manufacturer's instructions.

b) Connect a flow meter to the skimmer's outlet port.

c) Fill the tank to the skimmer's normal operating level and set the flow at the ~~maximum~~ minimum design flow rate.

d) Slowly raise the water level in the tank until it reaches the maximum level at which the weir shall operate. Record this level.

e) Slowly lower the water level in the tank while observing the water flow over the weir. When the velocity of water traveling over the weir is no longer sufficient to sustain ~~a normal operating level (i.e., lowest overflow level of the weir) in the skimmer throat (and no entrained air observed in suction line), close the drain valve and record the water level in the tank.~~ an even flow over the full width of the weir or entrained air is observed in the suction line, close the drain valve and record the water level in the tank.

E.2.4.1.1 Acceptance criteria

The difference between the maximum water level and the minimum water level at which the skimmer functions shall be at least 4 in (102 mm), or 3 in (76 mm) if an auto-fill pool water level control device is used.

E.2.4.2 Weir operation and maximum flow rating test method

a) Refill the tank to the skimmer's normal operating level and set the flow at the maximum design flow rate.

b) Slowly lower the water level in the tank while observing the suction line for entrained air. When entrained air observed in suction line, close the drain valve and record the water level in the tank.

E.2.4.2.1 Acceptance criteria

The difference between the maximum water level recorded in accordance with E.2.4.1 d) and the minimum water level recorded in accordance with E.2.4.2 b) shall be at least 4 in (102 mm), or 3 in (76 mm) if an auto-fill pool water level control device is used.

E.2.4.3 Optional water level based, maximum flow ratings test method

a) Refill the tank to the skimmer's highest water level based operating mark and set the flow to that mark's specified flow rate.

b) Observe the suction line for entrained air over a period of 30 seconds.

c) For any other water level based operating marks, set the flow to rate to each mark's maximum operating flow rate and then slowly lower the water level in the tank to that mark.

d) Observe the suction line for entrained air over a period of 30 seconds.

E.2.4.3.1 Acceptance criteria

No entrained air shall be observed in the suction line.

~~**E.2.5 Acceptance criteria**~~

~~The difference between the maximum water level and the minimum water level at which the skimmer functions shall be at least 4 in (102 mm), or 3 in (76 mm) if an auto-fill pool water level control device is used.~~

Tracking number 170i25r3
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Revision to NSF/ANSI 170 – 2017
Issue 25, Revision 3 (March 2019)

[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 grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF International Standard/ American National Standard –

Glossary of Food Equipment Terminology

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3 Definitions

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3.XX ~~dinnerware~~ tableware: Items for table use such as flatware, dishes, plates, bowls, saucers, cups, tumblers, compartmentalized trays, and covers that may be in direct contact with food.

***Rationale**: This change makes terms consistent with the terminology used in the FDA Model Food Code, and with NSF/ANSI P392.*

Tracking number 170i26r1
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Revision to NSF/ANSI 170 – 2017
Issue 26, Revision 1 (February 2019)

[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 grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF International Standard /
American National Standard –

Glossary of Food Equipment Terminology

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2 Normative references

FDA, Food Code ~~2009~~ 2017

Rationale: *In 2018, the U.S. Food and Drug Administration published the 2017 version of the Food Code. This language revision brings the reference for the FDA Food Code up to date.*

BSR/UL 295, Standard for Safety for Commercial-Industrial Gas Burners

1. Addition of flexible metallic hose reference

PROPOSAL

28.18 Flexible metallic hose is not considered a substitute for rigid piping or tubing as ordinarily employed. Its use should be confined to applications where rigid piping or tubing is impractical and where flexible connections cannot be avoided. It is not intended to be subjected to torsional, tensile, or excessive vibration or bending stresses or to abrasion. It is not considered suitable for use in conjunction with safety devices or where bending is caused by automatic operation. Flexible metallic hose shall comply with one of the following:

a) The Standard for Flexible Metallic Hose, UL 536, or

b) The Standard for Connectors for Gas Appliances, ANSI Z21.24, if the gas pressure at the flexible metallic hose does not exceed 0.5 psig and the length does not exceed 6 ft. Further, if the end product could be installed outdoors the flexible metallic hose shall comply with the requirements in the Standard Connectors for Outdoor Gas Appliances and Manufactured Homes, ANSI Z21.75.

BSR/UL 399, Standard for Safety for Drinking-Water Coolers

1. Alternate Compliance Option for EMI Filters

34.1 Electromagnetic interference filters shall comply with the~~:~~ ~~Standard for Electromagnetic Interference Filters, UL 1283.~~
a) Standard for Electromagnetic Interference Filters, UL 1283; or
b) Standard for Passive Filter Units for Electromagnetic Interference Suppression - Part 3: Passive Filter Units for Which Safety Tests are Appropriate, UL 60939-3.

2. Alternate Compliance Methods

15.11 All wires and cords shall be routed and supported so that they will not be immersed in water unless the insulation is specifically intended for this purpose. ~~The wiring arrangement shall prevent water caused by condensation or rain exposure (if intended for outdoor use) from entering wiring enclosures and electrical enclosures.~~
~~*Exception: Water may enter an enclosure providing:*~~
~~*a) The point of entrance is not in proximity to live electrical parts and*~~
~~*b) The live parts are not wetted.*~~

15.11.1 Water caused by condensation or rain exposure (for products intended for outdoor use) shall not enter wiring and electrical enclosures unless:

16.3 Field-installed conductors of a high-voltage circuit or ~~a Class 1~~ of an extra-low-voltage circuit that is provided with a protective control shall be segregated or separated by barriers to reduce the risk of short circuiting or grounding as follows:
a) From uninsulated live parts connected to a different circuit, ~~other than wiring terminals,~~ and
b) From any uninsulated live parts of a protective control.~~electrical components, such as a pressure-limiting device, motor overload protective device, or other protective device.~~
~~*Exception: Segregation or separation by barriers is not required at terminals.*~~

46.7 If higher than rated potential is developed in a motor circuit through the use of capacitors and if the developed steady-state potential as determined during the Temperature and Pressure Test, Section 62:~~, the rated voltage of the system shall be employed in applying the spacings indicated in this section.~~
a) Exceeds 500 volts, the developed potential shall be used as the basis for determining the spacings for the affected parts.
b) Does not exceed 500 volts, the rated voltage of the system shall be used as the basis for determining the spacings for the affected parts.
~~*Exception: If the developed steady-state potential is determined in the Temperature and Pressure Test, Section 62, exceeds 500 volts; in which case, the developed potential is to be used in determining the spacings for the parts affected.*~~

46.9 An insulating liner or barrier of fiber or similar material employed where spacings would otherwise be less than the required values shall be ~~no less than 1/32 inch (0.8 mm) in thickness and shall be so~~ located or of such material that it will not be adversely affected by arcing~~.~~ and be:
a) Not less than 1/32 inch (0.8 mm) thick;
b) Not less than 1/64 inch (0.4 mm) thick if used in conjunction with an air spacing of not less than 50 percent of the required air spacing; or,
c) Another thickness if the insulating, mechanical and flammability properties of the material are equivalent to those specified in (a) and (b).
Exception No. 1: ~~*Fiber no less than 1/64 inch (0.4 mm) in thickness may be used in conjunction with an air spacing of no less than 50 percent of the spacing required for air alone.*~~
Exception No. 2: ~~*Material having a lesser thickness may be used if it has equivalent insulating, mechanical, and flammability properties when compared with materials in thicknesses specified above.*~~

59.1 ~~Water~~ A water coolers ~~are to~~ shall be tested with the voltage at the water cooler supply connections maintained: ~~60 hertz (Hz) voltages maintained at the water cooler supply connections in accordance with Table 59.1.~~

a) In accordance with Table 59.1 and at 60 Hz; or,

b) At rated voltage and frequency of the water cooler, if it is intended for other than 60 Hz.

~~*Exception: Water coolers rated at frequencies other than 60 Hz are to be tested at their rated voltages and frequencies.*~~

63.1 A complete water cooler and all electrical components shall be capable of withstanding for a period of 1 minute, without breakdown, a test potential applied between high-voltage live parts and dead metal parts and between high-voltage live parts and extra-low-voltage circuits as follows: ~~of 1000 volts plus twice rated voltage between high-voltage live parts and dead metal parts and between live parts of high voltage and low-voltage circuits. The test potential shall be at any frequency between 40 and 70 hertz.~~

a) For ac circuits - Any frequency between 40 and 70 hertz with a test potential of:

1) 1000 volts for any motors not rated over 250V, 1/2 horsepower (373 W output);

2) 1000 volts plus twice rated voltage; and,

3) 1000 volts plus twice the developed capacitor voltage for any motor circuit in which the steady-state voltage developed through the use of capacitors exceeds 500 volts as determined during the Temperature and Pressure Test, Section 62.

b) b) For dc circuits - A test potential of:

1) 1400 volts for any motors not rated over 250V, 1/2 horsepower (373 W output); and,

2) 1400 volts plus 2.8 times rated voltage.

Exception No. 1: ~~*For motors rated at not more than 1/2 horsepower (373 W output) the test potential shall be 1000 volts.*~~

Exception No. 2: ~~*If the steady-state voltage developed in a motor circuit through the use of capacitors exceeds 500 V, as measured during the temperature and pressure test, the test potential for the parts affected shall be 1000 V plus twice the developed capacitor voltage.*~~

Exception No. 3: ~~*If agreeable to all parties concerned, the test potential may be a direct-current (dc) potential as specified in Table 93.1, Condition A and applied for 1 minute.*~~

63.5 ~~A 500 volt-ampere or larger transformer, the output voltage of which is essentially sinusoidal and can be varied, is to be used to determine compliance with 63.1 and 63.2. The applied potential is to be increased gradually from zero until the required test value is reached and is to be held at that value for 1 minute.~~In determining whether a product complies with 63.1 and 63.2, the dielectric potential shall be applied by:

a) A 500 volt-ampere or larger transformer; or

b) Test equipment that maintains the specified high potential voltage at the product during the duration of the test.

~~*Exception: The requirement of a 500 volt-ampere or larger transformer can be waived if the high potential testing equipment used is such that it maintains the specified high potential voltage at the equipment during the duration of the test.*~~

63.5.1 The applied dielectric potential specified in 63.1 and 63.2 shall be increased gradually from zero until the required test value is reached and shall be held at that value for 1 minute.

97.2 Each water cooler shall be marked with the following:

a) The manufacturer's name, trade name, or trademark or other descriptive marking by which the organization responsible for the product may be identified.

b) A distinctive type or model designation or the equivalent.

c) The electrical rating.

d) The kind and amount of refrigerant in pounds-mass (kg × 2.2) and/or ounces (kg × 35.3).

e) The high- and low-side design pressure.

f) The date or other dating period of manufacture not exceeding any three consecutive months.

Exception No. 1: ~~The manufacturer's identification may be in a traceable code if the product is identified by the brand or trademark owned by a private labeler.~~
Exception No. 2: ~~The date of manufacture may be abbreviated; or may be in a nationally accepted conventional code or in a code affirmed by the manufacturer, provided that the code:~~
~~a) Does not repeat in less than 10 years for a household product and less than 20 years for a commercial product, and~~
~~b) Does not require reference to the production records of the manufacturer to determine when the product was manufactured.~~

97.2.1 In reference to 97.2(a), if the manufacturer's identification marking is by means of a traceable code, the product shall be identified by the brand or trademark owned by a private labeler.

97.2.2 In reference to 97.2(f), if the date of manufacture is abbreviated or provided by a code, the code shall not:
a) Repeat in less than 10 years for a household product and less than 20 years for a commercial product; and,
b) Require reference to the production records of the manufacturer to determine when the product was manufactured.

3. Clarify Requirements for Nonmetallic Materials Exposed to Ultraviolet (UV) Radiation Lamps

Table 58.1
Tests on nonmetallic materials - based on section 8.2

Nonmetallic component	Applicable test number
A part serving as an enclosure for ignition sources.	1[a], 2[a], 3[b] or 4[h], 5, 6[c], 7[d], 8, 9, 10, 11, 12, 13
A part serving as a cabinet.	Minimum 4[h], 5, 6[c], 7[d], 8, 9, 10, 11, 12, 13
A functional part.	Minimum 4[h], 5, 6[c], 7[d], 8, 9, 10, 11, 13
A nonfunctional part.	Minimum 4[h], 8
APPLICABLE TESTS	
1. 5 inch end product flame test.[e]	
2. 5V rated material.[f]	
3. V-0, V-1, V-2, HF-1, HF-2 rated materials[f], 3/4 inch End Product Flame Test[e] or 12 mm End Product Flame Test.[e]	
4. HB or HBF rated material[f] or a material with a flame spread rating of 25 or less and a smoke developed rating of 50 or less.[g]	
5. Mold Stress-Relief Test.[e]	
6. Fastener Strength Test, 58.3.	
7. Adhesive Test.[e]	
8. Radiant Panel or Surface Burning Characteristic Test[g] - A flame spread index (FSI) of not more than 200 applies only to external parts if the total area of all external parts exceeds 10 ft^2 (0.93 m^2).	
9. Volume Resistivity Test[e] - Applies only if electrical spacings between uninsulated live parts and the material are less than specified in line-voltage circuits, and extra-low voltage (Class 2) circuits, or if the part is used as indirect support of an uninsulated live part.	
10. High Current Arc Resistance to Ignition Test[e] - Applies only if the material is used to enclose uninsulated live parts or to provide indirect support of uninsulated live parts. The test does not apply if uninsulated live parts are located a minimum of 1/32 inch (0.79 mm) from the part. If applicable, no ignition shall occur to V-0 materials subjected to 15 arcs; to V-1, V-2, or 5V materials subjected to 30 arcs, or to HB materials subjected to 60 arcs.	

11. Hot Wire Ignition Test[e] Applies only if the material is within 1/2 inch (12.7 mm) of electrically-heated wires or resistors. If applicable, ignition shall not occur in less than 10 s for V-0 materials, 15 s for V-1 or 5V materials or 30 s for V-2 or HB materials.
12. Impact Tests[e] 5 ft-lb (6.8 J) impact for enclosures containing uninsulated live and hot parts, 1.5 ft-lb (2.0 J) impact for enclosures containing moving parts.
13. Ultraviolet Light Exposure Test[e] - Applies to a water cooler having a lamp emitting ultraviolet (UV) radiation in which the nonmetallic part(s) could be exposed to the UV lamp radiation.
[a] An enclosure provided with a barrier interposed between the material and an ignition source will be tested with the barrier in place.
[b] A material with a V-2 or HF-2 minimum rating is able to be used to enclose an ignition source if the ignition source is only energized as a result of a continuous action by an attending operator.
[c] Applies to an enclosure that serves only to reduce the risk of electric shock and having ultrasonic welds; heat welds; polymeric screws or nuts; metal screws threaded into a polymeric part or other means where degradation of a polymeric material affects securement..
[d] Applies only if the adhesive is relied on to maintain the integrity of an enclosure or functional part.
[e] Tested or rated as described in UL 746C.
[f] Tested or rated as described in UL 94.
[g] Tested or rated as described in ASTM E162 or UL 723.
[h] These materials are able to be used if ignition sources are separated or isolated in accordance with 8.2.1 - 8.2.3.

43.1 Ultraviolet radiation lamp assemblies shall comply with ~~the~~ Section 36. Nonmetallic parts of UV lamp assemblies shall comply with Section 58.~~Standard for Portable Electric Luminaires, UL 153 or the Standard for Luminaires, UL 1598.~~

4. Clarify Requirements for Large Nonmetallic Exterior Surface Materials

Table 58.1
Tests on nonmetallic materials - based on section 8.2

6. Fastener Strength Test, 58.3.
7. Adhesive Test.[e]
8. Radiant Panel or Surface Burning Characteristic Test[g] - A flame spread index (FSI) of not more than 200 applies only to ~~external~~partsforming portions of the water cooler exterior surface, including any decorative part if the total area of all external parts exceeds 10 ft^2 (0.93 m^2). With respect to ASTM E162, if the Radiant Panel Test is conducted and any dripping of the part/material exceeds 10 drops during any 10 second period of time, the test shall not be considered invalid as long as sufficient material remains to enable calculating the flame spread index.
9. Volume Resistivity Test[e] - Applies only if electrical spacings between uninsulated live parts and the material are less than specified in line-voltage circuits, and extra-low voltage (Class 2) circuits, or if the part is used as indirect support of an uninsulated live part.

5. Alternate Compliance Option to Include UL 62368-1

39.1 A power supply shall comply with one of the following:

a) For a Class 2 Power Supply:

1) Standard for Class 2 Power Units, UL 1310; ~~or~~

2) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1 ~~and~~ with an output marked "Class 2"~~the Class 2~~ or that complies with the limited power source (LPS) requirements and is marked "LPS"; or~~.~~

3) Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: General Requirements, UL 62368-1 and with the limited power source requirements and is marked "LPS".

b) For a power supply that is other than Class 2:

1) Standard for Power Units Other Than Class 2, UL 1012; ~~or~~

2) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or~~.~~

3) Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: General Requirements, UL 62368-1.

c) For a switch mode power supply unit not complying with (a) or (b), the relevant requirements in this Standard, including the Switch Mode Power Supply Units – Overload Test, Section 79A, shall be applied.

45.1 Information technology equipment such as a printer, visual display unit, router, communication connectors/data ports or computer shall comply with the: ~~Standard for Information Technology Equipment, Part 1: General Requirements, UL 60950-1.~~

a) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or,

b) Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: General Requirements, UL 62368-1.

6. Editorial Corrections

81.1.1 ~~Parts exposed to refrigerant pressure~~Pressure containing components shall be capable of withstanding the required test strength pressure without bursting or leakage as specified in these requirements.

81.1.3 Two samples of each ~~refrigerant~~pressure-containing part are to be tested to determine compliance with these requirements. The test samples are to be filled with water or other inert fluid to exclude air and are to be connected in a hydraulic pump system. The pressure is to be raised gradually until the required pressure is reached. This pressure is to be maintained for 1 minute, during which time the samples are not to burst or leak.

ExSC_032_2019
March 15, 2019 *Standards Action*

Proposed Revision to ANSI's Appeals Procedures

The proposed revisions below apply, as presented, to the ANSI Appeals Board Operating Procedures, the ANSI Board of Standards Review (BSR) Operating Procedures and the ANSI Executive Standards Council (ExSC) Operating Procedures. These revisions are proposed to clarify ANSI's various appeals and complaint options, ensure consistency across these options, where appropriate, and to address issues raised in connection with the implementation of the 2017 revision of these appeals provisions.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the ANSI online public library one week after the close of the public comment deadline. The ANSI ExSC will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by April 15, 2019.

ANSI Appeals Board Operating Procedures (2017)

1 Authority and scope

Authority to establish an appeals mechanism rests with the Board of Directors of the American National Standards Institute (ANSI) as provided in the Constitution and By-laws of ANSI. The Board of Directors has determined that the Appeals Board shall be the final level of appeal within ANSI.

The Appeals Board shall consider appeals by directly and materially affected persons[1] that have exhausted all other appeals available to them through ANSI and who ~~believe they~~ have been, or will be, adversely affected by a decision of ANSI, whether in the form of action or inaction, in the implementation of the following ANSI procedures:

ANSI-PR-004 Appeals
CAP-PL-301 Accreditation Policy for ANSI Certificate Accreditation Program
…
Operating Procedures of the United States National Committee of the International Electrotechnical Commission (IEC)

The Appeals Board shall consider an appeal based on the evidence before the body of ANSI that rendered the decision from which the appeal is taken (*e.g.*, ANSI Board of Standards Review, ANSI Executive Standards Council). The burden of persuasion shall rest with the appellant. Pending a decision by the Appeals Board, the decision from which the appeal is taken shall remain in effect, unless the Appeals Board expressly determines otherwise, in accordance with clause 11.2.

[1] "Persons" includes organizations, companies, government agencies, individuals etc.

11 Appeals process

11.1 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the Appeals Board on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship. Except in a matter involving extraordinary circumstances, the Appeals Board shall only consider an appeal from a final decision of the ANSI body from which the appeal is taken. A refusal by an ANSI body to decide a matter within its jurisdiction, or undue delay by such body in reaching a decision, shall constitute "extraordinary circumstances."

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

a) a copy of the decision from which the appeal is taken;
b) an explanation of the issue and the procedural history;
c) arguments that explain why appellant believes the decision was in error;
d) references to the provision(s) of the ANSI procedures upon which appellant relies;
e) relevant evidence that is both part of the record before the ANSI body from which the appeal is taken and directly supports appellant's position and upon which appellant relies[2];
f) letters of support for the appeal, if any, per section 11.5; and
g) the specific relief sought by appellant from the Appeals Board.

The brief appeal statement (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

All parties filing or responding to appeals or authoring letters of support must be clearly identified, and contact information provided, at the time of filing. Anonymous filings will not be accepted.

Unless otherwise instructed by the secretary of the Appeals Board, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following receipt by the appellant of the final decision that is the subject of the appeal. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen (15) working day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal statement may be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The appeal filed with the Appeals Board, together with the record of the appeal before the body of ANSI that rendered the decision from which the appeal is taken, shall be distributed by letter ballot by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the parties to the decision under appeal for their information. No party to an appeal may communicate with any unrecused member of the Appeals Board on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI Appeals Board.

11.2 Request to stay a decision pending the conclusion of an appeal

In the event that a party to a duly filed appeal or complaint wishes to request a stay of the decision at issue pending the conclusion of the review process, these procedures apply. The party requesting the stay will be allowed to submit a one-page statement to succinctly explain the extraordinary basis for the request and the other party, if it opposes, will also be allowed to submit a one-page statement to succinctly explain why the Appeals Board should not grant the request.

[2] If appropriate and persuasive evidence is presented that was not before the ANSI body that made the decision from which the appeal is taken, the Appeals Board may remand the case back to the ANSI body for review and determination of action to be taken. In such circumstances, the Appeals Board shall determine whether the decision being appealed shall remain in effect.

1.The requestor shall contact the Secretary to request implementation of this process.
2.The requestor will be allowed one week to submit a one-page statement in support of its request.
3.The one-page request will be provided to the other party(ies), which will in turn be allowed one week to submit a one-page response. (The one-page request/response shall be single spaced and 12 point font or larger.)
4. Both documents will be provided to the Appeals Board via an expedited ballot.
5. The secretary will issue a written decision to both parties on behalf of the Appeals Board.

11.~~2~~ 3 Appeals Board initial review
The Appeals Board shall determine by letter ballot whether the appellant has established a *prima facie* case that the decision appealed from was clearly erroneous. If the Appeals Board determines that a *prima facie* case has not been established, the secretary will so notify the appellant and the parties to the decision under appeal, in writing and the appeal will be dismissed thereby exhausting all appeals available through ANSI.

If the Appeals Board determines that a *prima facie* case has been established, it may either remand the matter for further consideration by the ANSI body from which the appeal was taken or set a date for a hearing at which further arguments will be received. If the Appeals Board chooses to set a hearing, the secretary of the Appeals Board will so notify all parties to the appeal that a hearing will be scheduled. No supplemental filing by the appellant prior to the forthcoming hearing shall be permitted without a showing of good cause and the express permission of the Appeals Board Chair.

11.~~3~~4 Response
If the respondent(s) ~~(the party who must respond to the appeal)~~ receives an Appeals Board determination that a *prima facie* case has been established and that a hearing will be scheduled, the respondent shall have fifteen (15) working days to submit a brief statement in response to the appeal on or before midnight Eastern time of the due date, if they so desire. Unless otherwise instructed by the secretary of the Appeals Board, the response shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following receipt by the respondent of the Appeals Board determination.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The response shall include:

a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; ~~and~~
b) relevant evidence that directly supports respondent's position and upon which respondent relies;~~.~~ and
c) letters of support for the response, if any, per section 11.5.

The brief response (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

Panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing.

11.4 5 Letters of support by non-parties to the appeal

The Appellant, as part of its appeal, may submit letters of support by persons or organizations not parties to the appeal. If the Appeals Board determines that a prima facie case has been established and a hearing will be held, the Respondent, as part of its response, may also submit letters of support by persons or organizations ~~that is~~ not ~~a~~ parties to the appeal. ~~may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.~~ All ~~S~~such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, ~~and may~~ must address procedural issues only and must be filed by the respective deadline of the supported Appellant or Respondent for filing its appeal/response. Letters not meeting the requirements of this section will not be accepted without the approval of the Appeals Board Chair. ~~Submitters~~Authors of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

11.~~5~~6 Hearing

A hearing date for an appeal shall be set by the secretary of the Appeals Board after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. The name and affiliation of all speakers and any observers must be provided to the secretary of the Appeals Board in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the Appeals Board shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

12 Appeals Board Decisions in General

Decisions of Appeals Board panels shall require a majority vote of the panel, shall represent the decision of the Appeals Board, and shall be provided to all Appeals Board members for their information. Except as noted in Section 13, in deciding an appeal, the Appeals Board has a broad range of remedial options, including dismissing, affirming, reversing and/or remanding (in whole or in part) and will fashion an appropriate remedy depending upon its findings and the stage of the appeal.

A decision reached by an Appeals Board panel following an initial review (see section 11.2) and in response to a staff-issued Letter Ballot regarding whether a *prima facie* case has been made that the decision appealed from was clearly erroneous is ordinarily sent by the secretary to the parties within fifteen (15) working days of the close of the Letter Ballot. If the Appeals Board's finding is that no *prima facie* case has been established, the decision ordinarily states only that that a *prima facie* case has not been made by the appellant and that the appeal is dismissed. If the Appeals Board's finding is that a prima *facie case* has been established, the Appeals Board will either remand the case with instructions to the ANSI body that issued the decision from which the appeal is taken or set a date for a hearing.

A decision reached by an Appeals Board panel after an appeals hearing, is ordinarily sent by the secretary to the parties within fifteen (15) working days of the hearing. The decision specifies the outcome of the appeal, the reasons for such outcome, and the specific relief granted, if any.

The outcome of all decisions reached by Appeals Board panels shall be announced in *Standards Action*.

13 Appeals Board decisions arising from Conformity Assessment Accreditation Programs

In the case of appeals arising from one of ANSI's conformity assessment accreditation programs, the Appeals Board, consistent with currently applicable requirements of ISO/IEC 17011, will not consider or determine whether a requirement of the applicable accreditation standard (e.g., ISO/IEC 17065) has been met. In an appeal arising from an ANSI conformity assessment accreditation program, the Appeals Board can only dismiss an appeal for lack of a prima facie case (in which case the appealed decision stands), affirm a decision, or remand a decision to the body that made the decision for further action. If the Appeals Board remands the decision back to the body that rendered the decision, it will do so with instructions to take further action.[3]

14 Reconsideration

Any party to an appeal for which a hearing was held may request reconsideration of an Appeals Board decision by sending a written request, not to exceed 10 pages in length, double-spaced, 12 point font or larger, to the secretary of the Appeals Board within ten (10) working days after notification of the Appeals Board decision. The opposing party will have ten (10) working days to file a reply, subject to the same page and format restrictions. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

The Appeals Board may entertain a request for reconsideration based upon claims of a mistake, oversight or error in the decision or any other like reason justifying relief from the implementation of the decision.

Once a decision on reconsideration is issued, no further requests for reconsideration will be accepted.

15 Accessibility of ~~documentation and~~ appeals decisions

A copy of the ~~record on appeal (*i.e.*, the appeals-related documents submitted by the parties to the appeal for consideration by the Appeals Board including party-supporting letters)~~ appeals decision shall be made available ~~to any directly and materially affected person~~ upon request. ~~The costs associated with providing such documents shall be borne by the person seeking them.~~

16 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the ANSI procedures. Any settlement (to which the parties agree in writing) that is consistent with ANSI procedures, or an agreement to withdraw the appeal, will terminate the appeals process. If the settlement leads to a substantive change in a standard, the change shall be processed in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards.*

[3] Because the Appeals Board cannot make an accreditation decision for the purposes of ISO/IEC 17011, it cannot procedurally reverse a decision of an accreditation committee.

Operating procedures of the ANSI Board of Standards Review (2017)

7 Appeal of action on American National Standards

7.1 Right to appeal

All directly and materially interested ~~affected~~ persons[4] who have been or will be adversely affected by an action of the BSR, who completed the appeals process at the standards developer level and whose position is included in the BSR documentation, may appeal to the BSR a prior BSR decision regarding the approval or withdrawal of an American National Standard. The appeal shall be based on procedural criteria (see clause 4). The BSR will not render decisions on the relative merits of technical matters, but it shall consider whether due process was afforded technical concerns. The burden of persuasion shall rest with the appellant.

The BSR may also hear appeals remanded or referred to the BSR by the ANSI Appeals Board. Pending a decision by the BSR, the original decision of the BSR shall remain in effect unless the BSR determines otherwise in accordance with clause 7.2. No party to an appeal may communicate with any unrecused member of the ANSI BSR on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI BSR.

All parties filing or responding to appeals or authoring letters of support must be clearly identified, and contact information provided, at the time of filing. Anonymous filings will not be accepted.

7.2 Request to stay a decision pending the conclusion of an appeal

In the event that a party to a duly filed appeal or complaint wishes to request a stay of the decision at issue pending the conclusion of the review process, these procedures apply. The party requesting the stay will be allowed to submit a one-page statement to succinctly explain the extraordinary basis for the request and the other party, if it opposes, will also be allowed to submit a one-page statement to succinctly explain why the BSR should not grant the request.

1.The requestor shall contact the Secretary to request implementation of this process.
2.The requestor will be allowed one week to submit a one-page statement in support of its request.
3.The one-page request will be provided to the other party(ies), which will in turn be allowed one week to submit a one-page response. (The one-page request/response shall be single spaced and 12 point font or larger.)
4. Both documents will be provided to the BSR via an expedited ballot.
5. The secretary will issue a written decision to both parties on behalf of the BSR.

7.2~~2~~3 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the ANSI BSR on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

a) a copy of the decision from which the appeal is taken;
b) an explanation of the issue and the procedural history;

[4] "Persons" includes organizations, companies, government agencies, individuals etc.

c) arguments that explain why appellant believes the decision was in error;
d) references to the provision(s) of the ANSI procedures upon which appellant relies;
e) relevant evidence that directly supports appellant's position and upon which appellant relies;
f) letters of support for the appeal, if any, per section 7.5; and
g) the specific relief sought by appellant from the BSR.

The brief appeal statement (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

Unless otherwise instructed by the secretary of the BSR, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following the date of the decision that is the subject of the appeal. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the BSR, within the fifteen (15) working day deadline or the appellant shall forfeit the right to appeal. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

7.~~3~~ 4 Response
The appeal shall be distributed by the secretary of the BSR to the potential respondent(s) identified by the BSR ~~(the party who must respond to the appeal)~~to allow them the opportunity to respond, if they so desire. Thereafter, this party shall have fifteen (15) working days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:

a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; ~~and~~
b) relevant evidence that directly supports respondent's position and upon which respondent relies~~.~~; and
c) letters of support for the response, if any, per section 7.5.

The brief response (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the BSR to BSR members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such noted. Such request must be directed to the secretary of the BSR within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may be granted at the discretion of the Chair of the BSR, or, if the Chair is unavailable, the Vice Chair of the BSR or the secretary of the BSR.

7.4 5 Letters of support by non-parties to the appeal

A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response. Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the BSR Chair or Vice Chair. ~~Submitters~~Authors of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

7.~~5~~ 6 Hearing

The secretary of the BSR shall establish a panel consisting of at least five BSR members to hear the appeal, subject to applicable conflict of interest procedures. If five members of the BSR are not available to serve on the panel, the Chair or the Vice Chair of the BSR may appoint one or more additional panel members who shall be persons knowledgeable about the *ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements)* and the standards development process. Such appointment(s) of non-BSR members shall be with the concurrence of all parties to the appeal. A majority of the members of the panel shall be members of the BSR.

A hearing date for an appeal shall be set by the secretary of the BSR after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. BSR panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing. The name and affiliation of all speakers and any observers must be provided to the secretary of the BSR in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the BSR panel shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

7.~~6~~ 7 Decision

Decisions of BSR panels shall require a majority vote of the panel, shall represent the decision of the BSR, and shall be provided to all BSR members for their information. Notice of a decision reached by the BSR appeals panel shall be sent by the secretary to the parties within fifteen (15) working days unless an extension is authorized by the Chair of the BSR, or, if the Chair is unavailable, by the Vice Chair of the BSR. The decision shall specify the outcome of the appeal, and shall be accompanied by an explanation of the reasons for such outcome, and the specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.

7.~~7~~8 Accessibility of ~~documentation and~~ appeals decisions

A copy of the ~~record on~~ appeal decision ~~(*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the BSR, including party-supporting letters)~~ shall be made available ~~to any directly and materially affected person~~ upon request. ~~The costs associated with providing such documents shall be borne by the person seeking them.~~

7.~~8~~ 9 Appeal of BSR actions

In accordance with the *ANSI Appeals Board Operating Procedures*, an appeal from a final appeals decision of the BSR may be filed with the Appeals Board by the appellant or respondent to the BSR appeal at issue.

8 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the *ANSI Essential Requirements*. Any settlement (to which the parties agree in writing) that is consistent with these procedures, or an agreement to withdraw the appeal, will terminate the appeal process. If the settlement leads to a substantive change in the standard, the change must be processed in accordance with the *ANSI Essential Requirements.*

Operating Procedures of the ANSI Executive Standards Council (ExSC) (2017)

17 ExSC hearing of appeals

17.1 Right to appeal

All directly and materially interested ~~affected~~ persons[5] who have been or will be adversely affected by an action or inaction of the ExSC have the right to appeal in accordance with these procedures~~actions or inactions of the ExSC or its designee~~. Conclusion of the appeals process at the standards developer, or U.S. TAG, as the case may be, is not a precondition for filing an appeal with the ExSC of an organization's continuing accreditation status. Complaints concerning ANSI Audited Designators are governed by section 18 of these procedures and complaints concerning ANSI-Accredited U.S. TAGs to ISO are governed by section 19 of these procedures.

In connection with a new accreditation or reaccreditation[6] action, ANSI will notify those (if any) on record at ANSI who have objected to the action during the formal ANSI public review period, of the right to appeal. Any other party wishing to appeal such an action may do so in accordance with these procedures, but will not be given notice by ANSI and must file as a separate appellant in order to preserve standing to appeal to the ANSI Appeals Board.

All parties filing or responding to appeals or authoring letters of support must be clearly identified, and contact information provided, at the time of filing. Anonymous filings will not be accepted.

The ExSC may also hear appeals remanded or referred to the ExSC by the ANSI Appeals Board.

Other complaints or concerns of a directly and materially interested party who has been or will be adversely affected by any other kinds of actions or inactions of the ExSC should be brought to the attention of the ExSC secretary. The ExSC Executive Committee or the full ExSC (as determined by the Chair or Executive Committee) will address such concerns in a manner that it deems fair and reasonable, consistent with the ANSI By-Laws and these operating procedures.

17.2 Status of decision pending appeal and related communications

Pending a decision by the ExSC panel, the original decision of the ExSC shall remain in effect unless the ExSC determines otherwise, in accordance with clause 17.3. No party to an appeal may communicate with any unrecused member of the ANSI ExSC on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI ExSC.

17.3 Request to stay a decision pending the conclusion of an appeal

In the event that a party to a duly filed appeal or complaint wishes to request a stay of the decision at issue pending the conclusion of the review process, these procedures apply. The party requesting the stay will be allowed to submit a one-page statement to succinctly explain the extraordinary basis for the request and the other party, if it opposes, will also be allowed to submit a one-page statement to succinctly explain why the ExSC should not grant the request.

1.The requestor shall contact the Secretary to request implementation of this process.

[5] "Persons" includes organizations, companies, government agencies, individuals etc.

[6] A "reaccreditation" action is the approval of revised procedures submitted by an ANSI-Accredited Standards Developer.

2.The requestor will be allowed one week to submit a one-page statement in support of its request.
3.The one-page request will be provided to the other party(ies), which will in turn be allowed one week to submit a one-page response. (The one-page request/response shall be single spaced and 12 point font or larger.)
4. Both documents will be provided to the ExSC via an expedited ballot.
5. The secretary will issue a written decision to both parties on behalf of the ExSC.

17.4 Appeals Panel

Hearing of appeals by the ExSC shall be handled by a panel of at least five ExSC voting members established for each appeal. If five members of the ExSC are not available to serve on the panel, the Chair or the Vice Chair of the ExSC may appoint one or more additional panel members who shall be persons knowledgeable about the *ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements)* or the *ANSI International Procedures,* as applicable, and the standards development process. Such appointment(s) of non-ExSC members shall be with the concurrence of all parties to the appeal. A majority of the members of the panel shall be members of the ExSC.

17.2~~4~~5 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

a) a copy of the decision from which the appeal is taken;
b) an explanation of the issue and the procedural history;
c) arguments that explain why appellant believes the decision was in error;
d) references to the provision(s) of the ANSI procedures upon which appellant relies;
e) relevant evidence that directly supports appellant's position and upon which appellant relies;
f) letters of support for the appeal, if any, per section 17.7; and
g) the specific relief sought by appellant from the ExSC.

The brief appeal statement (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

Unless otherwise instructed by the secretary of the ExSC, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following the date of the decision that is the subject of the appeal or at any time with respect to an inaction by the ExSC or an appeal of an organization's continuing status as an ANSI-Accredited Standards Developer or ANSI-Accredited U.S. TAG Administrator to ISO. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the ExSC, within the fifteen (15) working day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

17.~~3~~6 Response
The appeal shall be distributed by the secretary of the ExSC to the potential respondent(s) identified by the ExSC ~~(the party who must respond to the appeal)~~ to allow them the opportunity to respond, if they so desire. Thereafter, this party shall have fifteen (15) working days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:
a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
b) relevant evidence that directly supports respondent's position and upon which respondent relies; and~~.~~
c) letters of support for the response, if any, per section 17.7.

The brief response (exclusive of exhibits and table of contents) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the ExSC to ExSC members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such noted. Such request must be directed to the secretary of the ExSC within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Upon receipt of the response it shall be provided to the appellant for information only. No reply to the response prior to the forthcoming hearing shall be permitted without a showing of good cause. Extensions of time to submit a response may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC.

17.4~~7~~ Letters of support by non-parties to the appeal
A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.

Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the ExSC Chair or Vice Chair. ~~Submitters~~Authors of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

17.5~~8~~ Hearing
The secretary of the ExSC shall establish a panel to hear the appeal, subject to applicable conflict of interest procedures.

A hearing date for an appeal shall be set by the secretary of the ExSC after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. Panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing. The name and affiliation of all speakers and any observers must be provided to the secretary of the ExSC in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the ExSC panel shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

17.~~6~~9 Decision

Decisions of ExSC appeals panels shall require a majority vote of the panel, shall represent the decision of the ExSC, and shall be provided to the ExSC for their information. Notice of a decision reached by the ExSC appeals panel shall be sent by the secretary to the parties within fifteen (15) working days, unless an extension is authorized by the Chair of the ExSC, or, if the Chair is unavailable, by the Vice Chair. The decision shall specify the outcome of the appeal, and shall be accompanied by an explanation of the reasons for such outcome, and the specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.

18 ExSC Consideration of Complaints against ANSI Audited Designators

If a formal complaint[7] is lodged against an Audited Designator, and said complaint relates to whether or not the developer should remain ANSI-accredited or retain the status of Audited Designator, the Executive Committee of the ExSC, in their discretion, shall determine whether such a complaint should be processed in accordance with (a) through (f) below or clause *17 ExSC hearing of appeals* of the *Operating Procedures of the ANSI Executive Standards Council*.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an Audited Designator and the ExSC Executive Committee has decided not to implement clause 17, and if (i) the complaint relates to one or more specific approved American National Standards and (ii) the complainant has completed the appeals process(es) available at the Audited Designator, the ExSC shall handle the complaint in accordance with (a) through (f) below.

(a) Upon receipt of a formal complaint, the ExSC shall review the complaint.

[7] See section 17 for filing specifications.

1) If the complaint has not been submitted to ANSI (i) within 30 days after the complainant completed the appeals process(es) and received the final determination of the complainant's appeal at the Audited Designator or (ii) otherwise within a reasonable time of the challenged action of the Audited Designator, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.

2) If the complaint does not (i) specifically allege that the Audited Designator violated any of its accredited procedures and that any related appeals decision issued by the Audited Designator was clearly erroneous, and (ii) provide sufficient substantiation of facts to support such allegations to establish a *prima facie* case, the ExSC shall dismiss the complaint.

3) If the complaint is technical in nature or relates to the content of a standard, the ExSC shall dismiss the complaint.

(b) If the complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the Audited Designator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the Audited Designator either for a general response or, if the ExSC is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.

(c) Upon receipt of the response from the Audited Designator, the ExSC shall do one of the following:

1) If it determines that the complaint and the response taken together do not support a claim that the Audited Designator has violated its procedures, it shall dismiss the complaint.

2) If it determines that the complaint raises issues that merit further review, it shall refer the complaint with any special instructions to the audit team at the next regularly scheduled audit or take other appropriate action such as the scheduling of a hearing.

3) If it determines that substantial and material reasons exist indicating immediate action may be necessary, it shall order an audit for cause or take other appropriate action such as initiating the withdrawal of accreditation or of the developer's Audited Designator status.

(d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.

(e) Following any audit for cause, the Audited Designator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the Audited Designator shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken.

(f) The standards developer shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the standards developer.

(g) The ExSC's final action may be appealed to the ANSI Appeals Board.

19 ExSC Consideration of Complaints against ANSI-Accredited U.S. TAGs to ISO

If a formal complaint[8] is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), the Executive Committee of the ExSC, in its discretion, shall determine whether such a complaint shall be processed in accordance with (a) through (f) below or clause 17 *ExSC hearing of appeals* of the *Operating Procedures of the ANSI Executive Standards Council.*

[8] See section 17 for filing specifications.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), and if the complainant has completed the appeals process(es) available at the U.S. TAG and the ExSC Executive Committee has decided not to implement clause 17, the ExSC shall handle the complaint as follows:

(a) Upon receipt of a formal complaint, the ExSC shall review the complaint.

1) If the complaint has not been brought within a reasonable time of the challenged action of the U.S. TAG, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.

2) If the Complaint is technical in nature or relates to the content of a standard and does not allege and provide substantiation of facts constituting a violation of any procedures under which the U.S. TAG is accredited to operate, the ExSC shall dismiss the complaint.

(b) If the Complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the U.S. TAG Administrator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the TAG Administrator either for a general response or, if it is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.

(c) Upon receipt of the response from the U.S. TAG, the ExSC shall do one of the following:
1) if it determines that the complaint and the response taken together do not support a claim that the U.S. TAG has violated its procedures, it shall dismiss the complaint;

2) if it determines that the complaint and the response taken together raise issues that merit further review, it shall take appropriate action such as schedule a hearing or order an audit for cause.

(d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.

(e) Following any audit for cause, the U.S. TAG Administrator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the U.S. TAG shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken. The U.S. TAG shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the U.S. TAG.

(f) The ExSC's final action may be appealed to the ANSI Appeals Board.

20 Accessibility of documentation and decisions

A copy of the ~~record on~~ appeal decision ~~(*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the ExSC, including party-supporting letters)~~ shall be made available ~~to any~~

~~directly and materially affected person~~ upon request. ~~The costs associated with providing such documents shall be borne by the person seeking them.~~

21 Appeal of ExSC actions

In accordance with the *ANSI Appeals Board Operating Procedures,* an appeal from a final appeal or complaint decision of the ExSC may be filed with the Appeals Board by the appellant or respondent to the ExSC appeal or complaint at issue.