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.
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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
AISI (American Iron and Steel Institute)

**Supplement**

BSR/AISI S400-15/S1-16-2015, Supplement 1 to the North American Standard for Seismic Design of Cold-Formed Steel Structural Systems (supplement to ANSI/AISI S400-2015)

This supplement is to revise the expected strength factors for cold-formed steel light-frame shear walls sheathed with wood structural panels, steel sheet sheathing, gypsum board, or fiberboard panel sheathing.

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

Send comments (with copy to psa@ansi.org) to: Helen Chen, (202) 452-7100, Hchen@steel.org

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ASME (American Society of Mechanical Engineers)

**Revision**

BSR/ASME B16.4-201x, Gray Iron Threaded Fittings Classes 125 and 250 (revision of ANSI/ASME B16.4-2011)

This Standard for gray iron threaded fittings, Classes 125 and 250, covers:

(a) pressure-temperature ratings;
(b) sizes and method of designating openings of reducing fittings;
(c) marking;
(d) material;
(e) dimensions and tolerances;
(f) threading;
(g) coatings;

Mandatory Appendix I provides table values in U.S. Customary units.

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

Send comments (with copy to psa@ansi.org) to: Erika Lawson, (212) 591-8094, lawsone@asme.org

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ASME (American Society of Mechanical Engineers)

**Revision**


This Standard covers minimum requirements for Classes 150 and 300 cast ductile iron pipe flanges and flanged fittings. The requirements covered are as follows:

(a) pressure-temperature ratings;
(b) sizes and method of designating openings of reducing fittings;
(c) marking;
(d) material;
(e) dimensions and tolerances;
(f) bolts, nuts, and gaskets; and
(g) tests.

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

Send comments (with copy to psa@ansi.org) to: Erika Lawson, (212) 591-8094, lawsone@asme.org

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NSF (NSF International)

**Revision**

BSR/NSF 4-201x (i22r3), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)

Commercial cooking, rethermalization, and powered hot food holding and transportation equipment covered by this Standard includes, but is not limited to: ranges, ovens, fat/oil fryers, fat/oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water heating equipment, proofing boxes and cabinets, hot food holding equipment, rethermalization equipment, and hot food transport cabinets.

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

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

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NSF (NSF International)

**Revision**

BSR/NSF 14-201x (i72r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

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

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org

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NSF (NSF International)

**Revision**

BSR/NSF 14-201x (i73r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

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

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org

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NSF (NSF International)

**Revision**

BSR/NSF 50-201x (i113r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)

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: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org
Comment Deadline: July 18, 2016

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 6.4.2-2006 (R201x), Specification for Radiation Shielding Materials (reaffirmation of ANSI/ANS 6.4.2-2006)

The standard sets forth physical and nuclear properties that shall be reported by the supplier as appropriate for a particular application in order to form the basis for the selection of radiation shielding materials.

Single copy price: $78.00
Obtain an electronic copy from: scook@ans.org
Order from: scook@ans.org
Send comments (with copy to psa@ansi.org) to: pschroeder@ans.org
ASCE (American Society of Civil Engineers)

New Standard

BSR/ASCE/EWRI 16-201x, Standard Guideline for Calculating the Effective Saturated Hydraulic Conductivity (new standard)

This standard guideline outlines a procedure to calculate the effective saturated hydraulic conductivity in local-scale groundwater flow. The effective saturated hydraulic conductivity is a parameter that relates the average groundwater specific discharge to the average hydraulic gradient. This standard guideline procedure assumes: (i) a uniform scale of observation (that is, the use of a similar measuring device for all saturated hydraulic conductivity measurements) and (ii) statistically homogeneous saturated hydraulic conductivity (K) with axisymmetric or isotropic spatial covariance.

Single copy price: Free
Obtain an electronic copy from: jneckel@asce.org
Order from: James Neckel, 703-295-6176, jneckel@asce.org
Send comments (with copy to psa@ansi.org) to: Same

ASCE (American Society of Civil Engineers)

New Standard

BSR/ASCE/EWRI 54-201x, Standard Guideline for the Geostatistical Estimation and Block-Averaging of Homogeneous and Isotropic Saturated Hydraulic Conductivity (new standard)

This standard guideline outlines procedures for the geostatistical estimation and block averaging of homogeneous and isotropic saturated hydraulic conductivity. The procedures are applicable to 1-, 2-, and 3-dimensional data sets of saturated hydraulic conductivity.

Single copy price: Free
Obtain an electronic copy from: jneckel@asce.org
Order from: James Neckel, 703-295-6176, jneckel@asce.org
Send comments (with copy to psa@ansi.org) to: Same

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31.8-201x, Gas Transmission and Distribution Piping Systems (revision of ANSI/ASME B31.8-2014)

This Code covers the design, fabrication, installation, inspection, and testing of pipeline facilities used for the transportation of gas. This Code also covers safety aspects of the operation and maintenance of those facilities. (See Mandatory Appendix Q for scope diagrams.) This Code is concerned only with certain safety aspects of liquefied petroleum gases when they are vaporized and used as gaseous fuels. All of the requirements of NFPA 58 and NFPA 59 and of this Code concerning design, construction, and operation and maintenance of piping facilities shall apply to piping systems handling butane, propane, or mixtures of these gases.

Single copy price: Free
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Order from: Mayra Santiago, (212) 591-8521, ansibox@asme.org
Send comments (with copy to psa@ansi.org) to: Erika Lawson

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31.8S-201x, Managing System Integrity of Gas Pipelines (revision of ANSI/ASME B31.8S-2014)

This Code applies to onshore pipeline systems constructed with ferrous materials and that transport gas. The principles and processes embodied in integrity management are applicable to all pipeline systems. This Code is specifically designed to provide the operator (as defined in section 13) with the information necessary to develop and implement an effective integrity management program utilizing proven industry practices and processes. The processes and approaches described within this Code are applicable to the entire pipeline.

Single copy price: Free
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Order from: Mayra Santiago, (212) 591-8521, ansibox@asme.org
Send comments (with copy to psa@ansi.org) to: Adam Maslowski, (212) 591-8017, maslowskia@asme.org
ASSE (ASC A10) (American Society of Safety Engineers)

Revision
This standard establishes safety requirements pertaining to the construction of tunnels, shafts, and caissons. The requirements set forth in this standard cover environmental control; related facilities; fire prevention; hoisting; haulage; and electrical, drilling and blasting, and compressed air work. This standard is not intended for application to mining or quarrying operations.
Single copy price: $80.00
Obtain an electronic copy from: TFisher@ASSE.Org
Order from: Tim Fisher, (847) 768-3411, TFisher@ASSE.Org
Send comments (with copy to psa@ansi.org) to: Same

ASSE (ASC Z9) (American Society of Safety Engineers)

Revision
This standard establishes minimum control requirements and ventilation system design criteria for controlling and removing air contaminants to protect the health of personnel engaged in open-surface tank operations. It is not intended to cover fire protection.
Single copy price: $77.00
Obtain an electronic copy from: OMunteanu@ASSE.org
Order from: Ovidiu Munteanu, (847) 232-2012, OMunteanu@ASSE.org
Send comments (with copy to psa@ansi.org) to: Same

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation
BSR/ATIS 0600010.03-2011 (R201x), Heat Dissipation Requirements for Network Telecommunications Equipment (reaffirmation of ANSI/ATIS 0600010.03-2011)
The purpose of this Standard is to provide the methods for the measurement of the heat release and to quantify/define airflow characteristics of telecommunications equipment. This Standard may assist in the efficient design and deployment of a telecommunications facility.
Single copy price: $110.00
Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org
Send comments (with copy to psa@ansi.org) to: Same

AWWA (American Water Works Association)

Revision
BSR/AWWA C300-201x, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C300-2011)
This standard describes the manufacture of reinforced concrete cylinder pipe in sizes 30 in. to 144 in. (760 mm to 3,660 mm), inclusive. Larger sizes have been manufactured based on the concepts of this standard. This type of pipe is designed for the internal pressure, external loads, and bedding conditions designated by the purchaser. This standard does not include requirements for design, handling, delivery, laying, field testing, or disinfection of pipe.
Single copy price: $20.00
Obtain an electronic copy from: v david@awwa.org
Order from: Paul Olson, (303) 347-6178, polson@awwa.org; v david@awwa.org
Send comments (with copy to psa@ansi.org) to: Same

CSA (CSA Group)

New National Adoption
BSR/CSA LNG 1-201x, Liquefied natural gas fueling connections devices (identical national adoption of ISO 12617)
This International Standard specifies liquefied natural gas (LNG) refuelling nozzles and receptacles constructed entirely of new and unused parts and materials for road vehicles powered by LNG. An LNG refuelling connector consists of, as applicable, the receptacle and its protective cap (mounted on the vehicle) and the nozzle. This International standard is applicable only to such devices designed for a maximum working pressure of 3.4 MPa (34 bar) to those using LNG as vehicle fuel and having standardized mating components.
Single copy price: Free
Obtain an electronic copy from: cathy.rake@csagroup.org
Order from: Cathy Rake, (216) 524-4990 x86321, cathy.rake@csagroup.org
Send comments (with copy to psa@ansi.org) to: Same

HL7 (Health Level Seven)

Revision
BSR/HL7 IMTRANS, R2-201x, HL7 Version 3 Standard: Transmission Infrastructure, Release 2 (revision and redesignation of ANSI/HL7 V3 IM R1.1-2013)
This domain addresses the following aspects about the communications environment that is considered common to all HL7 version 3 messaging implementations: (1) A specification for the composite HL7 version 3 message; (2) A protocol for reliable message delivery, (3) Generic "communication roles" that support the modes of HL7 messaging; and (4) Message control events that describe a framework for generic HL7 messaging.
Single copy price: Free to HL7 members; free to non-members 90 days following ANSI approval and publication by HL7
Obtain an electronic copy from: Karenvan2HL7.org
Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org
Send comments (with copy to psa@ansi.org) to: Same
IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Revision
BSR/CSA B45.5/IAPMO Z124-201x, Plastic plumbing fixtures (revision of ANSI/IAPMO Z124/CSA B45.5-2011)
This Standard covers plastic plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings. This Standard covers the following plumbing fixtures: (a) bathtubs and combination tub/showers; (b) lavatories; (c) shower bases and shower stalls; (d) sinks: (i) bar sinks, (ii) kitchen sinks, (iii) laundry sinks, and (iv) service sinks; (e) urinals; and (f) water closets.
Single copy price: $75.00 US
Obtain an electronic copy from: Standards@iapmostandards.org
Order from: Charles Gross, (909) 472-4136, charles.gross@iapmo.org
Send comments (with copy to psa@ansi.org) to: Same

NSF (NSF International)

Revision
BSR/NSF 350-201x (i10r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2014)
This Standard contains minimum requirements for onsite residential and commercial water treatment systems.
Single copy price: Free
Order from: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org
Send comments (with copy to psa@ansi.org) to: Same

RVIA (Recreational Vehicle Industry Association)

Revision
BSR/RVIA LV-201x, Standard for Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA LV-2013)
This standard covers the installation of low voltage electrical systems and devices within conversion and recreational vehicles. In the absence of specific instructions from the automotive OEM, this standard also covers any additions, deletions, or modifications to any part of the original equipment chassis manufacturer’s electrical system.
Single copy price: $20.00
Obtain an electronic copy from: kperkins@rvia.org
Order from: Kent Perkins, (703) 620-6003, kperkins@rvia.org
Send comments (with copy to psa@ansi.org) to: Same

SDI (Steel Deck Institute)

Revision
BSR/SDI-C-201x, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI C-2011)
SDI-C is a standard for composite steel floor deck to be used by designers, specifiers, manufacturers, and installers of composite steel floor deck-slabs. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of composite steel floor deck. Non-mandatory user notes are included for further clarification and guidance.
Single copy price: $5.00
Obtain an electronic copy from: bob@sgi.org
Order from: bob@sgi.org
Send comments (with copy to psa@ansi.org) to: Thomas Sputo; tsputo50@gmail.com

Revision
BSR/SDI NC-201x, Standard for Non-Composite Steel Floor Deck (revision of ANSI/SDI NC-2010)
SDI-NC is a standard for non-composite steel floor deck to be used by designers, specifiers, manufacturers, and installers of non-composite steel floor deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of non-composite steel floor deck. Non-mandatory user notes are included for further clarification and guidance.
Single copy price: $5.00
Obtain an electronic copy from: bob@sgi.org
Order from: bob@sgi.org
Send comments (with copy to psa@ansi.org) to: Thomas Sputo; tsputo50@gmail.com

Revision
BSR/SDI RD-201x, Standard for Steel Roof Deck (revision of ANSI/SDI RD-2010)
SDI-RD is a standard for steel roof deck to be used by designers, specifiers, manufacturers, and installers of steel roof deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of steel roof deck. Non-mandatory user notes are included for further clarification and guidance.
Single copy price: $5.00
Obtain an electronic copy from: bob@sgi.org
Order from: bob@sgi.org
Send comments (with copy to psa@ansi.org) to: Thomas Sputo; tsputo50@gmail.com

New Standard
BSR/SCTE 200-201x, Specification for a 75 ohm ‘MMCX’ Connector (MMCX-75), Male & Female Interface (new standard)
The purpose of this document is to specify requirements for the male/female interface of a 75-ohm, 3-GHz rated connector series generically known as MMCX-75. This is an indoor connector with applications in controlled environments such as headends and hubsites where high-density platform chassis are used. MMCX-75 connectors are not intended to be mated with 50-ohm MMCX design counterparts.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (with copy to psa@ansi.org) to: standards@scte.org
SDI (Steel Deck Institute)

Revision
BSR/SDI T-CD-201x, Test Standard for Composite Steel Deck Slabs (revision of ANSI/SDI T-CD-2011)

SDI-T-CD is a standard for structural testing of composite steel deck slabs to be used by designers, specifiers, manufacturers, and installers of composite steel deck slabs. The specification sets guidelines and requirements relating to methods for structural testing of composite steel deck slabs. Non-mandatory user notes are included for further clarification and guidance.

Single copy price: $5.00
Obtain an electronic copy from: bob@sdii.org
Order from: bob@sdii.org
Send comments (with copy to psa@ansi.org) to: Thomas Sputo; tsputo50@gmail.com

UL (Underwriters Laboratories, Inc.)

New National Adoption
BSR/UL 60034-1-201X, Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (identical national adoption of IEC 60034-1)

UL proposes to adopt the requirements of IEC 60034-1, which covers rating and performance criteria applicable to all rotating electrical machines.

Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Jonette Herman, (919) 549-1479, Jonette.A.Herman@ul.com

UL (Underwriters Laboratories, Inc.)

New National Adoption
BSR/UL 60079-7-201X, Standard for Safety for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" (Proposal dated 06-03-16) (national adoption of IEC 60079-7 with modifications and revision of ANSI/UL 60079-7-2008 (R2013))

This proposal includes the fifth edition of the Standard for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" (fifth edition, issued by IEC June 2015) as a new IEC-based UL standard, UL 60079-7 with U.S. differences.

Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

Reaffirm UL 1412 as an American National Standard. UL 1412 covers fusing resistors and temperature-limited resistors to be employed in radio- and television-type appliances. These requirements also apply to resistor mounting assemblies intended for use with such resistors. These requirements cover fusing resistors and temperature-limited resistors for use in radio- and television-type appliances in circuits that do not involve potentials greater than 2500 V peak.

Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Barbara Davis, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision
BSR/UL 1678-201x, Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2011)

This proposal for UL 1678 covers the clarification of requirements for solder limit evaluation for laminates and printed wiring boards.

Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision
BSR/UL 796-201x, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016)

This proposal for UL 796 covers the clarification of requirements for solder evaluation for laminates and printed wiring boards.

Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Barbara Davis, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation
BSR/UL 977-2012 (201X), Standard for Safety for Fused Power-Circuit Devices (Proposal dated 06-03-16) (reaffirmation of ANSI/UL 977-2012)


Single copy price: Contact comm2000 for pricing and delivery options
Order from: comm2000
Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com
Comment Deadline: August 2, 2016

UL (Underwriters Laboratories, Inc.)

Revision


Proposed fifth edition of the Standard for Communication Cables, UL 444, including the following changes: (a) Revision to paragraph 5.9.2 to ensure proper bonding; (b) LP cables; (c) Revision to recognized markings in Canada; (d) Correction to drop weight in paragraph 7.13.3; (e) Addition of material type TPE to Tables 9 and 10; (f) Update to Table A1 in Appendix A; and (g) Editorial corrections.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Linda Phinney, Linda.L.Phinney@ul.com

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Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

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


ISO/IEC TR 29196:2015 consolidates information relating to successful, secure and usable implementation of biometric enrollment processes, while indicating areas of uncertainty that organizations proposing to use biometric technologies will need to address during procurement, design, deployment and operation. Much of the information is generic to many types of application, e.g., from national scale commercial and government applications, through to closed user group systems for in-house operations, and to consumer applications where convenience rather than security is the primary driver for adoption of biometric technologies.

Single copy price: $200.00

Order from: ANSI, http://webstore.ansi.org

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

Projects Withdrawn from Consideration

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

API (American Petroleum Institute)

BSR/API MPMS 3.5.1-201x, Refrigerated hydrocarbon fluids and non-petroleum based liquefied gaseous fuels - Part 1: Automatic tank gauges for liquefied natural gas on board marine carriers and floating storage (identical national adoption of ISO 18132-1)

Inquiries may be directed to Paula Watkins, (202) 682-8197, watkinsp@api.org

API (American Petroleum Institute)

BSR/API MPMS 3.5.2-201x, Refrigerated hydrocarbon fluids and non-petroleum based liquefied gaseous fuels - General requirements for automatic tank gauges - Part 3: Automatic tank gauges for liquefied petroleum and chemical gases on board marine carriers and floating storage (identical national adoption of ISO 18132-3)

ASTM (ASTM International)


ASTM (ASTM International)


ASTM (ASTM International)


ASTM (ASTM International)


ASTM (ASTM International)

ANSI/ASTM F1637-1997, Practice for Safe Walking Surfaces (revision of ANSI/ASTM F1637-95)

ASTM (ASTM International)

BSR/ASTM 1317-1997, Test Method for Flammability of Marine Surface Finishes (new standard)

ASTM (ASTM International)

BSR/ASTM 5455-199x, Test Method for Short Term Liquid Absorption into Paper (Bristow Test) (new standard)
ASTM (ASTM International)
BSR/ASTM B106-199x, Test Method for Flexivity of Thermostat Metals (new standard)

ASTM (ASTM International)
BSR/ASTM B362-201x, Test Method for Mechanical Torque Rate of Spiral Coils of Thermostat Metal (new standard)

ASTM (ASTM International)
BSR/ASTM B478-199x, Test Method for Cross Curvature of Thermostat Metals (new standard)

ASTM (ASTM International)
BSR/ASTM B539-199x, Test Methods for Measuring Contact Resistance of Electrical Connections (Static Contacts) (new standard)

ASTM (ASTM International)
BSR/ASTM B596-199x, Specification for Gold-Copper Alloy Electrical Contact Material (new standard)

ASTM (ASTM International)
BSR/ASTM B693-199x, Specification for Silver-Nickel Electrical Contact Materials (new standard)

ASTM (ASTM International)
BSR/ASTM B808-199x, Test Method for Monitoring of Atmospheric Corrosion Chambers by Quartz Crystal Microbalances (new standard)

ASTM (ASTM International)
BSR/ASTM D97-200x, Test Method for Pour Point of Petroleum Products (revision of ANSI/ASTM D97-96)

ASTM (ASTM International)
BSR/ASTM D210-200x, Test Method for Ph of Water Extractions of Halogenated Organic Solvents and Their Admixtures (revision of ANSI/ASTM D210-96)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)
BSR/ASTM D619-201x, Test Methods for Vulcanized Fibre Used for Electrical Insulation (new standard)

ASTM (ASTM International)
BSR/ASTM D635-200x, Test Method for Rate of Burning And/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position (revision of ANSI/ASTM D635-1998)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)
BSR/ASTM D706-199x, Classification System for Cellulose Acetate Molding and Extrusion Compounds (revision of ANSI/ASTM D706-96)

ASTM (ASTM International)
BSR/ASTM D707-199x, Specification for Cellulose Acetate Butyrate Molding and Extrusion Compounds (revision of ANSI/ASTM D707-96)
ASTM (ASTM International)
BSR/ASTM D2302-199x, Test Methods for Liquid Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials (new standard)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)

ASTM (ASTM International)
BSR/ASTM D2709-200x, Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge (reaffirmation of ANSI/ASTM D2709-93)

ASTM (ASTM International)
BSR/ASTM D2913-200x, Test Method for Mercaptan Content of the Atmosphere (reaffirmation of ANSI/ASTM D2913-96)

ASTM (ASTM International)
BSR/ASTM D2914-200x, Test Methods for Sulfur Dioxide Content of the Atmosphere (West-Gaeke Method) (revision of ANSI/ASTM D2914-95)

ASTM (ASTM International)

ASTM (ASTM International)
BSR/ASTM D3084-200x, Practice for Alpha-Particle Spectrometry of Water (revision of ANSI/ASTM D3084-1996)

ASTM (ASTM International)

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BSR/ASTM WK32337-201x, New Specification for 2 to 60 inch [50 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications with Recycled Resins (new standard)

ASTM (ASTM International)
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ASTM (ASTM International)
BSR/ASTM WK35773-201x, New Specification for Polyethylene Reducing Tee Massive Base Branch Saddles (MBBS) for Outlet Diameters in Nominal Pipe Sizes 2-inch to 36-inch, for Sidewall Heat-Fusion to Polyethylene Pipe Mains (new standard)

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BSR/ASTM WK35773-201x, New Specification for Polyethylene Reducing Tee Massive Base Branch Saddles (MBBS) for Outlet Diameters in Nominal Pipe Sizes 2-inch to 36-inch, for Sidewall Heat-Fusion to Polyethylene Pipe Mains (new standard)

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BSR/ASTM Z6052Z-199x, Test Method for Color of Petroleum Products by the Automatic Tristimulus Method (new standard)

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BSR/ASTM Z8574Z-200x, Test Method for Evaluation of Corrosiveness of Diesel Engine Oil at 135 C (new standard)

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ASTM (ASTM International)
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ASTM (ASTM International)
BSR/ASTM Z9150Z-200x, Test Method for Strength Tests of Panels for Building Construction - Floors and Roofs (new standard)
30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

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

MHI (ASC MHC) (Material Handling Industry)
ANSI MH10.8.1-2005, Linear Bar Code and Two-Dimensional Symbols Used in Shipping, Receiving, and Transport Applications

MHI (ASC MHC) (Material Handling Industry)
ANSI MH10.8.7-2005, Material Handling - Labeling and Direct Product Marking with Linear Bar Code and Two-Dimensional Symbols
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.

ASSE (ASC A10) (American Society of Safety Engineers)
Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Tim Fisher
Phone: (847) 768-3411
Fax: (847) 296-9221
E-mail: TFisher@ASSE.org

Obtain an electronic copy from: Tim Fisher

ASSE (ASC Z15) (American Society of Safety Engineers)
Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Ovidiu Munteanu
Phone: (847) 232-2012
Fax: (847) 699-2929
E-mail: OMunteanu@ASSE.org


ASSE (ASC Z9) (American Society of Safety Engineers)
Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Ovidiu Munteanu
Phone: (847) 232-2012
E-mail: OMunteanu@ASSE.org

Obtain an electronic copy from: Ovidiu Munteanu

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)
Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448

Contact: Conrad Jahrling
Phone: (708) 995-3017
Fax: (708) 479-6139
E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1087-201x, Performance Requirements for Commercial, and Food Service Water Treatment (new standard)

ISEA (ASC Z87) (International Safety Equipment Association)
Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

Contact: Cristine Fargo
Phone: (703) 525-1695
Fax: (703) 525-1698
E-mail: cfargo@safetyequipment.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)
Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: Karen Willis
Phone: (703) 841-3277
Fax: (703) 841-3378
E-mail: Karen.Willis@nema.org

BSR C136.28-2006 (S201x), Standard for Roadway and Area Lighting Equipment - Glass Lenses Used in Luminaires (stabilized maintenance of ANSI C136.28-2006 (R2011))

NSF (NSF International)
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: Lauren Panoff
Phone: (734) 769-5197
E-mail: lpanoff@nsf.org

BSR/NSF 14-201x (i72r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
BSR/NSF 14-201x (i72r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
BSR/NSF 50-201x (i113r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)
BSR/NSF 350-201x (i10r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2014)
BSR/TAPPI T 464 om-201x, Water vapor transmission rate of paper and paperboard at high temperature and humidity (revision of ANSI/TAPPI T 464 om-2012)

BSR/TAPPI T 1215 sp-201x, The determination of instrumental color differences (revision of ANSI/TAPPI T 1215 sp-2012)

BSR/TAPPI T 1216 sp-201x, Indices for whiteness, yellowness, brightness, and luminous reflectance factor (revision of ANSI/TAPPI T 1216 sp-2012)

BSR/TAPPI T 1219 sp-201x, Storage of paper samples for optical measurements and color matching (revision of ANSI/TAPPI T 1219 sp -2012)

BSR/UL 796-201x, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016)

Call for Members (ANS Consensus Bodies)

Call for Membership

Green Building Initiative

Water Efficiency Subcommittee

The Green Building Initiative is putting out a Call for Membership for its Water Efficiency Subcommittee. Interested parties should contact Emily Randolph at emily@thegbi.org.
Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation
ANSI/AAMI ST81-2004 (R2016), Sterilization of medical devices - Information to be provided by the manufacturer for the processing of resterilizable medical devices (reaffirmation of ANSI/AAMI ST81 -2004 (R2010)): 5/23/2016

ANS (American Nuclear Society)

Reaffirmation

ASTM (ASTM International)

Revision

ATIS (Alliance for Telecommunications Industry Solutions)

New Standard

Revision

CSA (CSA Group)

Reaffirmation

FCI (Fluid Controls Institute)

Revision

HL7 (Health Level Seven)

New Standard

IKECA (International Kitchen Exhaust Cleaning Association)

Revision

InfoComm (InfoComm International)

New Standard

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

New Standard
INCITS 533-2016, Information technology - Fibre Channel - Physical Interfaces - 6P 128GFC Four Lane Parallel (FC-PI-6P) (new standard): 5/27/2016

NEMA (ASC C8) (National Electrical Manufacturers Association)

New Standard

NSF (NSF International)

Revision

SPRI (Single Ply Roofing Institute)

Revision

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Revision
UL (Underwriters Laboratories, Inc.)

New Standard


Reaffirmation


Revision

**Project Initiation Notification System (PINS)**

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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

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**ASC X9 (Accredited Standards Committee X9, Incorporated)**

**Office:** 275 West Street  
Suite 107  
Annapolis, MD  21401  
**Contact:** Ambria Frazier  
**E-mail:** Ambria.frazier@x9.org  
Stakeholders: Banks  
Project Need: Required review (ANSI policy).  
The purpose of this standard is to provide the financial industry with a format necessary to perform electronic check exchange (ECE), with or without images. The format supports forward presentment, posting, return notification, and return requests, as well as existing customer information reporting products. The standard also supports multiple check clearing alternatives, e.g., bank-to-bank or bank-to-switch.

**ASCE (American Society of Civil Engineers)**

**Office:** 1801 Alexander Bell Dr  
Reston, VA  20191  
**Contact:** James Neckel  
**E-mail:** jneckel@asce.org  
**BSR/ASCE/EWRI xxyy-201x, Management Practices for Control of Erosion and Sediment from Construction Activities (new standard)**  
Stakeholders: These affected industries include land development and construction, engineering, and environmental services; regulatory including plan reviewers, field inspectors, and administrative personnel.  
Project Need: The guidelines are organized into nine chapters that address the following topics: Importance of clean water (background), Regulations and permitting, Erosion and sediment processes and site-planning concepts, Erosion and sediment control practices and standards, Erosion and sediment control plan, Erosion and sediment control guidance for specific development types, Construction inspection and maintenance, and Enforcement.  
This standard covers the successful implementation of an erosion and sediment control program is a multifaceted undertaking that includes a mix of administrative, legal, and technical issues. This document provides guidelines for personnel involved in the implementation of erosion and sediment control programs.

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**ASSE (ASC Z15) (American Society of Safety Engineers)**

**Office:** 520 N. Northwest Highway  
Park Ridge, IL  60068  
**Contact:** Ovidiu Munteanu  
**Fax:** (847) 699-2929  
**E-mail:** OMunteanu@ASSE.org  
Stakeholders: Occupational safety and health professionals or those stakeholders working, managing or addressing vehicle fleets and operational management of autonomous vehicles on public thoroughfares.  
Project Need: Based upon the consensus of the Z15 ASC, occupational safety and health professionals, and the ASSE leadership.  
This ANSI/ASSE standard provides organizations with a document for the definition and development of policies, procedures, and management processes to assist in the control of risks and exposures associated with the operation of autonomous vehicles on public thoroughfares.

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**ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA  19428-2959  
**Contact:** Corice Leonard  
**Fax:** (610) 834-3683  
**E-mail:** accreditation@astm.org  
**BSR/ASTM WK54597-201x, New Specification for Certification Test Fuels for Aviation Compression Ignition Engines (new standard)**  
Stakeholders: Spark and Compression Ignition Aviation Engine Fuels industry  
Project Need: This specification covers the use of purchasing agencies in formulating specifications for purchases of aviation distillate fuel under contract.  
http://www.astm.org/DATABASE.CART/WORKITEMS/WK54597.htm  
**BSR/ASTM WK54654-201x, New Test Method for Screening Identification of a Burnable Substance in a Heated Atmospheric Tank (new standard)**  
Stakeholders: Health and Safety Standards for Metal Working Fluids industry  
Project Need: This test method determines if a concentration derived from an unignitable liquid, could later burn during, or after, forced evaporation by heat. The method can be applied to liquid or sludge.  
http://www.astm.org/DATABASE.CART/WORKITEMS/WK54654.htm
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BSR/ASTM WK54660-201x, New Guide for Reliability (new standard)
Stakeholders: Sampling/Statistics industry.
Project Need: Specify methods for use in reliability calculations.
http://www.astm.org/DATABASE.CART/WORKITEMS/WK54660.htm

AWS (American Welding Society)
Office: 8669 NW 36th Street
#130
Miami, FL 33166
Contact: John Douglass
E-mail: jdouglass@aws.org

BSR/AWS A5.35/A5.35M-AMD1-201x, Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding (addenda to ANSI/AWS A5.35/A5.35M-2015)
Stakeholders: Underwater Welding and Construction industry.
Project Need: To amend Figure 1 and Clause 14 to align with language in the scope.
This specification establishes the requirements for classification of covered electrodes for underwater, wet-shielded, metal arc welding.

EOS/ESD (ESD Association, Inc.)
Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440
Contact: Christina Earl
Fax: (315) 339-6793
E-mail: cearl@esda.org

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.
Project Need: The purpose (objective) of this standard is to establish a test method that will replicate HBM failures and provide reliable, repeatable HBM ESD test results from tester to tester, regardless of component type. Repeatable data will allow accurate classifications and comparisons of HBM ESD sensitivity levels.
This standard establishes the procedure for testing, evaluating, and classifying components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD).

HL7 (Health Level Seven)
Office: 3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Contact: Karen Van Hentenryck
Fax: (734) 677-6622
E-mail: Karenvan@HL7.org

Stakeholders: Quality reporting agencies, regulatory agency, Standards Development Organizations (SDOs).
Project Need: The project is reaching its five-year anniversary.
This standard establishes an international framework for data exchange and information sharing by providing a common messaging format for transmission of ICSRs for adverse drug reactions (ADR), adverse events (AE) product problems and consumer complaints that may occur upon the administration or use of one or more products. The messaging format is based upon the HL7 Reference Information Model (RIM) and can be extended or constrained to accommodate a variety of reporting use cases described in the storyboard section.

Stakeholders: Quality reporting agencies, regulatory agency, Standards Development Organizations (SDOs).
Project Need: The project is nearing its five-year anniversary.
This standard, which contains material drawn from ISO 27593-1, creates a standardized framework for international regulatory reporting and information sharing by providing a common set of data elements and messaging format for the transmissions of ICSRs for adverse drug reactions (ADR), adverse events (AE), infections, and incidents that may occur upon the administration of one or more human pharmaceutical products to a patient, regardless of source and destination. The standard provides a structure where reports can be exchanged in a clear and unambiguous manner.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)
Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Contact: Conrad Jahrling
Fax: (708) 479-6139
E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1087-201x, Performance Requirements for Commercial, and Food Service Water Treatment (new standard)
Stakeholders: Water treatment manufacturers, plumbing industry, public health community, regulatory community.
Project Need: The plumbing and building industries need a single product standard that covers water treatment product material safety, performance, structural integrity, backflow protection, cross-connection prevention, proper installation, and proper maintenance of the equipment. There are some existing residential standards that cover material safety, performance and structural integrity which shall be referenced in this standard. At this time, commercial water treatment standards do not exist for such equipment.
This standard covers water treatment systems designed to improve the water quality for drinking water and process water for residential, commercial, and food service applications: (1) Point-of-use and point-of-entry plumbed in water treatment systems; (2) Commercial plumbed in water treatment systems - Softeners, filters, membranes (RO, UF, and NF), UV, distillation, and water coolers with treatment; and (3) Food service water treatment products.
BSR C63.15-201x, Standard Recommended Practice for the Immunity Assessment of Electrical and Electronic Equipment (revision of ANSI C63.15-2010)

Stakeholders: EMC test laboratories, EMC test equipment manufacturers, product manufacturers, regulators.

Project Need: Changes have been made in the past six years in immunity testing, including updates in the standards referenced in C63.15-2010. In addition there is an interest to include automotive and other immunity test methods. Manufacturers need the updates and additional test methods to better make their products immune in the electromagnetic environments where they are intended to be used.

The amended standard will update radiated and conducted immunity test methods using updated references of common immunity test methods published by the IEC, MIL STD, ISO, and SAE. The ISO and SAE test method addition applies to automobiles. There is also the addition of testing for quasi-static fields, proximity fields, and fields from overhead power lines.

BSR C63.26-201x, Standard of procedures for compliance testing of licensed transmitters (revision of ANSI C63.26-2015)

Stakeholders: EMC and radio test laboratories and equipment manufacturers (software designers), laboratory accreditation bodies, government agencies, manufacturers of licensed transmitters, Telecommunication Certification Bodies, Telecommunications Industry Association (TIA), and TCB Council.

Project Need: C63.26 covers procedures for testing a wide variety of licensed transmitters; including, but not limited to, transmitters operating under Parts 22, 24, 25, 27, 90, 95, and 101 of the FCC Rules.

Guidance for carrier aggregation and use of multi-technology or heterogeneous modulations; Minimum number of carriers, frequency range, and effective signal bandwidth, to be tested; Review guidance for broadband power measurements; Radiated emission measurement procedures; Procedures for millimeter wave (mmW) measurements (above 26 GHz); MBAN devices under FCC Part 95H, CBSDs under FCC Part 96, and mmW devices under developing FCC Part 30; MIMO procedures for applicability to emerging “massive” MIMO capabilities; Test procedures for devices employing integral antennas; Signal booster test methods; Minimum data for inclusion in compliance test reports.

BSR/IEST/ISO 14644-14-201x, Cleanrooms and associated controlled environments - Part 14: Assessment of suitability for use of equipment by airborne particle concentration (identical national adoption of ISO FDIS 14644-14:2016)

Stakeholders: Anyone involved in the cleanroom industry including equipment manufacturers and users.

Project Need: This part of ISO 14644 links the cleanroom classification of air cleanliness by particle concentration to the suitability of equipment for use in cleanrooms and associated controlled environments.

This part of ISO 14644 specifies a methodology to assess the suitability of equipment (e.g., machinery, measuring equipment, process equipment, components and tools) for use in cleanrooms and associated controlled environments, with respect to airborne particle cleanliness as specified in ISO 14644-1. Particle sizes range from 0.1 μm to equal to or larger than 5 μm (given in ISO 14644-1).
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BSR/TAPPI T 1215 sp-2012x, The determination of instrumental color differences (revision of ANSI/TAPPI T 1215 sp-2012)
Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.
This standard practice provides a general introduction to the use of color differences and a list of the most widely used equations to obtain them. Color differences can be used (1) as a guide to establishing color tolerances in the production of pulp, paper, and paperboard, (2) for the determination of buying and selling tolerances of color, and (3) to provide a method of determining the adequacy of color matches.

BSR/TAPPI T 1216 sp-201x, Indices for whiteness, yellowness, brightness, and luminous reflectance factor (revision of ANSI/TAPPI T 1216 sp-2012)
Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.
This Standard Practice deals only with simplified color indices applicable specifically to white colors. There are approximately 5000 distinguishable white colors. As with any other color, three numbers are necessary for the complete identification of any white. All the color and color difference scales regularly used for color specification are applicable to white colors.

BSR/TAPPI T 1219 sp-201x, Storage of paper samples for optical measurements and color matching (revision of ANSI/TAPPI T 1219 sp-2012)
Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.
Procedures for handling and storing samples are generally based on the premise that heat and light are the two primary factors affecting change. This standard practice lists several practices that have been found to be helpful in preserving samples.

BSR/UL 498C-201X, Standard for Flatiron and Appliance Plugs (new standard)
Stakeholders: Manufacturers of cooking or heating appliances, manufacturers of appliances, manufacturers of components that are commonly used in appliances, users and consumer retailers.
Project Need: To obtain national recognition covering flatiron and appliance plugs.
This Standard will cover flatiron and appliance plugs intended for use on cord-connected portable cooking or heating appliances rated up to 20 A, 250 Volts or less, intended for use in ordinary non-hazardous locations - all intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70, and Canadian Electrical Code Part 1.

Stakeholders: Manufacturers of retrofit energy monitoring equipment, AHJs.

Project Need: To obtain national recognition of a standard covering retrofit energy monitoring equipment.

These requirements cover retrofit energy monitoring equipment, including submeters; and associated equipment, including open-type current transformers. This equipment is intended for field installation within distribution and control equipment such as panelboards, switchboards, industrial control equipment, and energy management equipment, to measure current on an electrical circuit. These requirements also cover current transformers factory mounted in an enclosure. Installation is in accordance with the National Electrical Code, ANSI/NFPA 70.
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)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (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 (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- 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 stdact@ansi.org.

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

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

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

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114-1112
Phone: (913) 625-6864
Fax: (386) 944-2794
Web: www.apcointl.org

ASCX9
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ASCE
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ASME
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ASSE (ASC Z15)
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520 N. Northwest Highway
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Web: www.asse.org

ASSE (ASC Z9)
American Society of Safety Engineers
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Phone: (847) 232-2012
Web: www.asse.org

ASSE (Safety)
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520 N. Northwest Highway
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Web: www.asse.org

ASTM
ASTM International
100 Barr Harbor Drive
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Fax: (610) 834-3683
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
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Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWS
American Welding Society
8669 NW 36th Street
#130
Miami, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

CSA
CSA Group
8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

E&S
E/SD Association
7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Fax: (315) 339-6793
Web: www.esda.org

FCI
Fluid Controls Institute
1300 Sumner Avenue
Cleveland, OH 44115
Phone: (216) 241-7333
Fax: (216) 241-0105
Web: www.fluidcontrols institute.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
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Fax: (734) 677-6622
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IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Fax: (708) 479-6139
Web: www.asse-plumbing.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials
5001 E. Philadelphia Street
Ontario, CA 91761-2816
Phone: (909) 472-4136
Fax: (909) 472-4178
Web: www.iapm.org

IEEE (ASC 63)
Institute of Electrical and Electronics Engineers
445 Hoes Lane, PO Box 1331
Piscataway, NJ 08855-1331
Phone: 732-562-3817
Web: www.ieee.org

IEST
Institute of Environmental Sciences and Technology
2430 S. Arlington Heights Road
Suite 620
Arlington Heights, IL 60005
Phone: (847) 981-0100
Fax: (847) 981-4130
Web: www.iest.org

IKEA
International Kitchen Exhaust Cleaning Association
100 North 20th Street
Suite 400
Philadelphia, PA 19103-1443
Phone: (215) 320-3701
Web: www.ikea.org

INFOCOMM
InfoComm International
11242 Waples Mill Road
Suite 200
Fairfax, VA 22030
Phone: (703) 277-2007
Fax: (703) 278-8082
Web: www.infocomm.org

ISEA
International Safety Equipment Association
1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695
Fax: (703) 525-1698
Web: www.safetyequipment.org

ITI (INCITS)
International Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5746
Fax: (202) 638-4922
Web: www.incits.org

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3378
Web: www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3299
Web: www.nema.com

NSF
National Science Foundation
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 769-5197
Web: www.nsf.org
RVIA
Recreational Vehicle Industry Association
1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363
Phone: (703) 620-6003
Fax: (703) 620-5071
Web: www.rvia.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341-1318
Phone: (480) 252-2330
Fax: (610) 363-5898
Web: www.scte.org

SDI (Canvass)
Steel Deck Institute
PO Box 426
Glenshaw, PA 15116
Phone: (412) 487-3325
Web: www.sdi.org

SPRI
Single Ply Roofing Institute
411 Waverley Oaks Road
Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

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

UAMA (ASC B74)
Unified Abrasive Manufacturers’ Association
30200 Detroit Road
Cleveland, OH 44145-1967
Phone: (440) 899-0010
Fax: (440) 892-1404
Web: www.uama.org

UL
Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
Phone: (919) 549-1636
Fax: (919) 549-1636
Web: www.ul.com
ISO & IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

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

ISO/DIS 10467, Plastics piping systems for pressure and non-pressure drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester (UP) resin - 12/10/2011, $134.00

QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO/DIS 80000-10, Quantities and units - Part 10: Atomic and nuclear physics - 8/18/2016, $107.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 11237, Rubber hoses and hose assemblies - Compact wire-braid-reinforced hydraulic types for oil-based or water-based fluids - Specification - 6/23/2016, $62.00

ISO/DIS 22768, Rubber, raw - Determination of the glass transition temperature by differential scanning calorimetry (DSC) - 8/20/2016, $46.00

SAFETY OF MACHINERY (TC 199)

ISO/DIS 14118, Safety of machinery - Prevention of unexpected start-up - 6/25/2016, $58.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 21720, XML Localisation interchange file format - 8/17/2016, $175.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 13276, Tobacco and tobacco products - Determination of nicotine purity - Gravimetric method using tungstosilicic acid - 6/23/2016, $40.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 20308, Traditional Chinese medicine - Gua Sha instruments - 8/18/2016, $53.00

WATER QUALITY (TC 147)

ISO/DIS 20595, Water quality - Determination of selected easily volatile organic compounds in water - Method using gas chromatography and mass spectrometry by static headspace technique (HS-GC-MS) - 6/26/2016, $93.00
WELDING AND ALLIED PROCESSES (TC 44)

ISO/IEC 9455-11, Soft soldering fluxes - Test methods - Part 11: Solubility of flux residues - 8/14/2016, $40.00
ISO/IEC 9455-15, Soft soldering fluxes - Test methods - Part 15: Copper corrosion test - 8/14/2016, $58.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 20741, Systems and Software Engineering - Guideline for the evaluation and selection of software engineering tools - 6/23/2016, $102.00
- ISO/IEC DIS 11770-4, Information technology - Cloud computing - Controls data structure - 8/18/2016, $67.00
- ISO/IEC DIS 19592-2, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation - 8/17/2016, $98.00
- ISO/IEC DIS 19086-3, Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements - 8/18/2016, $67.00
- ISO/IEC DIS 23000-17, Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format - 6/23/2016, $71.00

OTHER

ISO/IEC DGuide 46, Comparative testing of consumer products and related services - General principles - 7/17/2016, $51.00

IEC Standards

21/890/FDIS, IEC 62660-3: Secondary lithium-ion cells for the propulsion of electrical road vehicles - Part 3: Safety requirements, 07/08/2016
21/891/DTR, IEC TR 62660-4: Candidate alternative test methods for the internal short circuit test of IEC 62660-3, 07/22/2016
22E/173/NP, Bi-directional grid connected power converter, Part 2 interface of GCPC and distributed energy resources and additional requirements to Part 1, 08/19/2016
22F/419/CD, Amendment 2 - IEC/TR 62543 Ed.1: High-voltage direct current (HVDC) power transmission using voltage sourced converters (VSC), 07/22/2016
27/981/CD, IEC/TS 62997 Ed.1: Industrial electroheating and electromagnetic processing equipment - Evaluation of hazards caused by magnetic nearfields from 1 Hz to 6 MHz, 08/19/2016
29/905/CD, IEC 61265 Ed. 2: Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft, 08/19/2016
31/1257/FDIS, IEC 60079-29-1/Ed2: Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases, 07/08/2016
32B/651/FDIS, IEC 60269-4/2/Ed5: Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices, 07/08/2016
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34C/1225/CD, IEC 62386-220 Ed.1: Digital addressable lighting interface - Part 220: Particular requirements for control gear - Centrally Supplied DC Emergency Operation (device type 19), 08/19/2016
34C/1226/CD, IEC 62386-222 Ed.1: Digital addressable lighting interface - Part 222: Particular requirements for control gear - Thermal lamp protection (device type 21), 08/19/2016
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46A/1303/CD, IEC 61196-6-2: Coaxial communication cables - Part 6 -2: Detail specification for 75-4 type CATV drop cables, 08/19/2016
46A/1306/CD, IEC 61196-6-4: Coaxial communication cables - Part 6 -4: Detail specification for 75-7 type CATV drop cables, 08/19/2016
46A/1307/CD, IEC 61196-6-3: Coaxial communication cables - Part 6 -3: Detail specification for 75-5 type CATV drop cables, 08/19/2016
48B/2496/FDIS, IEC 61076-3-110/Ed3: Connectors for electronic equipment - Product requirements - Part 3-110: Detail specification for free and fixed connectors for data transmission with frequencies up to 3 000 MHz, 07/08/2016
48B/2497/FDIS, IEC 60603-7-82/Ed1: Connectors for electronic equipment - Part 7-82: Detail specification for 8-way, shielded, individual pair shielded, free and fixed connectors, for data transmission with frequencies up to 2 000 mhz, 07/08/2016
48B/2498/FDIS, IEC 61076-3-120/Ed1: Connectors for electronic equipment - Product requirements - Part 3-120: Rectangular connectors - Detail specification for rewirable power connectors with snap locking for rated voltage of 250 V d.c. and rated current of 30 a, 07/08/2016
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

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)
ISO 17450-3:2016, Geometrical product specifications (GPS) - General concepts - Part 3: Toleranced features, $149.00

GRAPHIC TECHNOLOGY (TC 130)
ISO 19445:2016, Graphic technology - Metadata for graphic arts workflow - XMP metadata for image and document proofing, $88.00

GRAPHICAL SYMBOLS (TC 145)
ISO 7001/Amd3:2016, Graphical symbols - Public information symbols - Amendment 3, $173.00

INDUSTRIAL TRUCKS (TC 110)
ISO 18479-2:2016, Rough-terrain trucks - Non-integrated personnel work platforms - Part 2: User requirements, $123.00

NON-DESTRUCTIVE TESTING (TC 135)
ISO 18081:2016, Non-destructive testing - Acoustic emission testing (AT) - Leak detection by means of acoustic emission, $173.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

PAPER, BOARD AND PULPS (TC 6)
ISO 16260:2016, Paper and board - Determination of internal bond strength, $123.00

PROSTHETICS AND ORTHOTICS (TC 168)
ISO 10328:2016, Prosthetics - Structural testing of lower-limb prostheses - Requirements and test methods, $265.00
ISO 22675:2016, Prosthetics - Testing of ankle-foot devices and foot units - Requirements and test methods, $265.00

SAFETY OF MACHINERY (TC 199)
ISO 14122-1:2016, Safety of machinery - Permanent means of access to machinery - Part 1: Choice of fixed means and general requirements of access, $88.00
ISO 14122-2:2016, Safety of machinery - Permanent means of access to machinery - Part 2: Working platforms and walkways, $123.00
ISO 14122-3:2016, Safety of machinery - Permanent means of access to machinery - Part 3: Stairs, stepladders and guard-rails, $149.00
ISO 14122-4:2016, Safety of machinery - Permanent means of access to machinery - Part 4: Fixed ladders, $200.00

SMALL CRAFT (TC 188)
ISO 14895:2016, Small craft - Liquid-fuelled galley stoves and heating appliances, $88.00

TEXTILES (TC 38)
ISO 105-G01:2016, Textiles - Tests for colour fastness - Part G01: Colour fastness to nitrogen oxides, $88.00
ISO 105-D02:2016, Textiles - Tests for colour fastness - Part D02: Colour fastness to rubbing: Organic solvents, $51.00
ISO 105-G04:2016, Textiles - Tests for colour fastness - Part G04: Colour fastness to nitrogen oxides in the atmosphere at high humidities, $88.00
ISO 105-X12:2016, Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing, $51.00
ISO 105-X16:2016, Textiles - Tests for colour fastness - Part X16: Colour fastness to rubbing - Small areas, $51.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)
ISO/TS 19256:2016, Health informatics - Requirements for medicinal product dictionary systems for health care, $200.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 13249-1:2016, Information technology - Database languages - SQL multimedia and application packages - Part 1: Framework, $123.00
ISO/IEC 14443-3:2016, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 3: Initialization and anticollision, $240.00
ISO/IEC 14443-4:2016, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 4: Transmission protocol, $240.00
IEC Standards

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)
IEC 60384-18 Ed. 3.0 b:2016, Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO₂) and non-solid electrolyte, $230.00

ELECTRICAL ACCESSORIES (TC 23)
IEC 61995-1 Ed. 1.1 b:2016, Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements, $424.00
IEC 61995-1 Amd.1 Ed. 1.0 b:2016, Amendment 1 - Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements, $20.00
IEC 61058-1-1 Ed. 1.0 b:2016, Switches for appliances - Part 1-1: Requirements for mechanical switches, $85.00
IEC 61058-1-2 Ed. 1.0 b:2016, Switches for appliances - Part 1-2: Requirements for electronic switches, $157.00

ELECTROACOUSTICS (TC 29)
IEC 61094-5 Ed. 2.0 b:2016, Electroacoustics - Measurement microphones - Part 5: Methods for pressure calibration of working standard microphones by comparison, $157.00

ELECTROSTATICS (TC 101)
IEC 61340-5-1 Ed. 2.0 b:2016, Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements, $121.00
S+ IEC 61340-5-1 Ed. 2.0 en:2016 (Redline version), Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements, $156.00

FIBRE OPTICS (TC 86)
IEC 61754-6 Ed. 2.0 b:2013, Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6: Type MU connector family, $351.00

LAMPS AND RELATED EQUIPMENT (TC 34)
IEC 60598-2-13 Amd.2 Ed. 1.0 b:2016, Amendment 2 - Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires, $14.00

POWER ELECTRONICS (TC 22)
IEC 61803 Ed. 1.2 b:2016, Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters, $339.00
IEC 61803 Amd 2 Ed. 1.0 b:2016, Amendment 2 - Determination of power losses in high-voltage direct current (HVDC) converter stations with line commutated converters, $36.00

PRIMARY CELLS AND BATTERIES (TC 35)
IEC 60086-SER Ed. 1.0 b:2016, Primary batteries - ALL PARTS, $1187.00
IEC 60086-3 Ed. 4.0 b:2016, Primary batteries - Part 3: Watch batteries, $182.00
S+ IEC 60086-3 Ed. 4.0 en:2016 (Redline version), Primary batteries - Part 3: Watch batteries, $218.00

SAFETY OF ELECTRONIC EQUIPMENT WITHIN THE FIELD OF AUDIO/VIDEO, INFORMATION TECHNOLOGY AND COMMUNICATION TECHNOLOGY (TC 108)
IEC 60990 Ed. 3.0 b:2016, Methods of measurement of touch current and protective conductor current, $339.00
S+ IEC 60990 Ed. 3.0 en:2016 (Redline version), Methods of measurement of touch current and protective conductor current, $407.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 81)
IEC 60335-2-87 Ed. 3.0 b:2016, Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal stunning equipment, $157.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)
IEC 61010-2-020 Ed. 3.0 b:2016, Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -020: Particular requirements for laboratory centrifuges, $230.00
S+ IEC 61010-2-020 Ed. 3.0 en:2016 (Redline version), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges, $276.00

SEMICONDUCTOR DEVICES (TC 47)
IEC 62433-4 Ed. 1.0 b:2016, EMC IC modelling - Part 4: Models of integrated circuits for RF immunity behavioural simulation - Conducted immunity modelling (ICIM-CI), $375.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)
IEC 60947-5-1 Ed. 4.0 b:2016, Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $375.00
S+ IEC 60947-5-1 Ed. 4.0 en:2016 (Redline version), Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $446.00

SEMICONDUCTOR DEVICES (TC 47)
IEC 62433-4 Ed. 1.0 b:2016, EMC IC modelling - Part 4: Models of integrated circuits for RF immunity behavioural simulation - Conducted immunity modelling (ICIM-CI), $375.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)
IEC 60947-5-1 Ed. 4.0 b:2016, Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $375.00
S+ IEC 60947-5-1 Ed. 4.0 en:2016 (Redline version), Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $446.00

S+ IEC 60947-5-1 Ed. 4.0 en:2016 (Redline version), Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices, $446.00
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 issued 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 report proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat disseminates the information to all WTO Members. The purpose of this requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on “Subscribe”.

NCSCI is the WTO TBT Inquiry Point for the U.S. and receives all notifications and full texts of regulations to disseminate to U.S. Industry. For further information, please contact: NCSCI, NIST, 100 Bureau Drive, Gaithersburg, MD 20899-2160; Telephone: (301) 975-4040; Fax: (301) 926-1559; E-mail: ncsci@nist.gov or notifyus@nist.gov.
American National Standards

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 its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

The INCITS Executive Board has eleven membership categories that can be viewed at http://www.incits.org/participation/membership-info. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**
  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**
  This category primarily produces software products for the ITC marketplace.

- **Distributor**
  This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**
  This category includes entities that primarily reply on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**
  This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**
  - “Minor” an SDO or Consortium that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**
  This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**
  This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

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, please contact Jennifer Garner at 202-626-5737 or jgamer@itlic.org. Visit www.incits.org for more information regarding INCITS activities.

Calls for Members

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE’s membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Application for Accreditation

Association of Transportation Safety Information Professionals (ATSIP)

Comment Deadline: July 5, 2016

The Association of Transportation Safety Information Professionals (ATSIP) has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting ATSIP-sponsored American National Standards. ATSIP’s proposed scope of standards activity is as follows:

Standards related to Motor Vehicle Traffic Crash Classification, which involves the completion of law enforcement reports of crashes involving motor vehicles and/or pedestrians, fixed objects or non-collisions, such as roll-overs or “run off the road” incidents. The standard to be developed will cover the definition of terms related to crashes and crash reporting and provide instructions for classification.

To obtain a copy of ATSIP’s application and proposed operating procedures or to offer comments, please contact: Ms. Joan L. Vecchi, NHTSA Contractor, Traffic Safety Analysis, Systems & Services, Inc., 1213 Stringtown Road, Grove City, OH 43123-8910; phone: 614.539.4100; e-mail: vecchijoan@yahoo.com. Please submit any comments to ATSIP by July 5, 2016, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: JThompson@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of ATSIP’s proposed operating procedures from ANSI Online during the public review period at the following URL: www.ansi.org/accredPR.
Withdrawal of ASD Accreditation

American Fence Association (AFA)
The American Fence Association (AFA) has requested the formal withdrawal of its accreditation as a developer of American National Standards. AFA currently maintains no American National Standards. This action is taken, effective May 25, 2016. For additional information, please contact: Ms. Alexa Churchwell, Director, Association Management, American Fence Association, 6404 International Parkway, Suite 2250-A, Plano, TX 75093; phone: 314.561.6618; e-mail: Alexa@americanfenceassociation.com.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity
Pharmaceutical Preparation Machinery
Comment Deadline: Friday, June 24, 2016
SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Pharmaceutical preparation machinery, with the following scope statement:
Standardization of pharmaceutical preparation machinery, including terminology, classification, requirements and test methods.
Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 24, 2016.

Meeting Notices

AHRI Meeting
Revision of ANSI/AHRI Standard 640-2005, Performance Rating of Commercial and Industrial Humidifiers
The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on June 6 from 2 p.m. to 4 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Ted Wayne at twayne@ahrinet.org.

GBI Meetings
The 17th and 18th meetings of the Green Building Initiative - GBI 01-201x Consensus Body
The 17th and 18th meetings of the Green Building Initiative - GBI 01-201x Consensus Body will be held via conference call and webinar:
Monday, June 6, 2016 from 1:00 PM to 3:00 PM ET
Wednesday, June 22, 2016 from 11:00 AM to 1:00 PM ET
The purpose for these teleconferences is for Consensus Body members to review recommended responses to comments from the public comment period for the Working Draft of 01-201X document and questions/comments from the public.
The tentative agenda will be posted on the GBI webpage for the standard at: http://www.thegbi.org/ansi. All meetings are open to the public. Any member of the public or Subcommittee participant who would like to attend the meeting should contact the Secretariat, Maria Woodbury, preferably at least 10 days in advance of the meeting to ensure they are included in relevant communications in preparation for the meeting.
To attend, and for additional information, please contact:
Maria Woodbury
Secretariat for Green Building Initiative
207-807-8666 (direct)
Maria@thegbi.org
Information Concerning

International Organization for Standardization (ISO)
ISO New Work Item Proposal
Chain of Custody – Transparency and Traceability – Generic Requirements for Supply Chain Actors
Comment Deadline: June 24, 2016

NEN, the ISO member body for the Netherlands, has submitted to ISO a new work item proposal for the development of an ISO standard on Chain of Custody – Transparency and traceability – Generic requirements for supply chain actors, with the following scope statement:

The overall scope of work is standardization in the field of chain of custody (CoC) terminology and requirements for all products with specified characteristics. The objective is to increase transparency and facilitate market access, especially for smaller companies and developing countries.

This standard differs from existing ISO initiatives by defining the requirements and traceability levels independently of sectors, raw materials, products, and issues addressed. It lays down a set of generic requirements to ensure that products with specified characteristics sold or shipped by a supply chain actor (SCA), can be physically and/or administratively connected to a corresponding amount of input material with the same specified characteristics. It does not intend to set requirements on the input or output material or limitations to specific product characteristics such as sustainability, safety or source. It does however provide guidance for describing characteristics.

This International Standard is intended to increase transparency in value chains by specifying traceability requirements for the individual supply chain actors. This international standard can be used in all sectors and for all products with specific characteristics, which are transferred between two or more SCA’s. Services are not included.

This standard defines commonly used supply chain models, their traceability levels and their specific requirements regarding administration, physical handling activities, conversion rates, transactions and stock activities relating to the product etcetera. These fundamental concepts and principles of chain of custody management cover the whole supply chain and are universally applicable to the following stakeholders:

- organizations seeking sustained success through the implementation of a chain of custody management system;
- customers seeking confidence in an organization’s ability to consistently provide products and services conforming to their requirements;
- organizations seeking confidence in their supply chain that product and service requirements will be met;
- organizations and interested parties seeking to improve communication through a common understanding of the vocabulary used by supply chain actors;
- developers of related standards.

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 24, 2016.
BSI, the ISO member body for the United Kingdom, has submitted to ISO a proposal for a new field of ISO technical activity on Organizational Governance, with the following scope statement:

Standardization of organizational governance, including aspects of accountability, direction and control – which may include principles of governance, anti-bribery, conflict of interest, due diligence, whistleblowing, compliance, remuneration structures and external reporting, amongst others.

This proposal is for a new technical committee in the field of organizational governance. For the purposes of this proposal, governance may be defined as a "system by which the whole organization is directed, controlled and held accountable to achieve its core purpose over the long term". The term “corporate governance” is typically used for the governance of private and publicly-listed companies.

The TC would develop and maintain standards applicable for all organizations to improve the effective delivery of governance. This proposal recognizes that, although interrelated, there is an important distinction between management and governance. The above definition of governance places it into a context of accountability whereas management can be deemed to be "the act of bringing people together to accomplish desired goals and objectives, using available resources in an efficient, effective and risk-aware manner." While governance is linked to management, it is distinct from it because it deals with the accountability of a whole organization to all of its stakeholders and helps ensure that the organization, as a whole, fulfills its full purpose. Thus, governance is a unique area that merits a distinct portfolio of work, separate but complementary to management standards.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, July 1, 2016.
Supplement 1 to AISI S400-15:

1. Revise AISI S400-15 Sections E1.3.3, E2.3.3, and E6.3.3 as indicated below:

**E1.3.3 Expected Strength [Probable Resistance]**

The expected strength [probable resistance] ($\Omega_{EVn}$) shall be determined from the nominal strength [resistance] in accordance with this section.

In the U.S. and Mexico, the expected strength factor, $\Omega_E$, shall be **1.8 for shear walls sheathed with wood structural panels**, equal to overstrength factor, $\Omega_o$, determined in accordance with the applicable building code.

*User Note:*
In the U.S. and Mexico, for cold-formed steel light frame shear walls sheathed with wood structural panels, specific research on the expected strength of the walls based on energy dissipation at the connection between the sheathing and studs has not been completed. As a result, the overstrength factor, $\Omega_o$, obtained from the applicable building code is used as a coarse estimate at this time. Based on ASCE 7, $\Omega_o=3$ for bearing wall systems and 2.5 for building frame systems.

In Canada, the expected strength factor, $\Omega_E$, shall be 1.33 for walls with DFP wood-based structural panel sheathing or OSB wood-based structural panel sheathing, and 1.45 for walls with CSP wood-based structural panel sheathing.

**E2.3.3 Expected Strength [Probable Resistance]**

The expected strength [probable resistance] ($\Omega_{EVn}$) shall be determined from the nominal strength [resistance] in accordance with this section.

In the U.S. and Mexico, the expected strength factor, $\Omega_E$, shall be **1.8 for shear walls with steel sheet sheathing**, equal to the overstrength factor, $\Omega_o$, determined in accordance with the applicable building code.

*User Note:*
In the U.S. and Mexico, for cold-formed steel light frame shear walls with steel sheet sheathing, specific research on the expected strength of the walls based on energy dissipation at the connection between the sheathing and studs has not been completed. As a result, the overstrength factor, $\Omega_o$, obtained from the applicable building code is used as a coarse estimate at this time. Based on ASCE 7, $\Omega_o=3$ for bearing wall systems and 2.5 for building frame systems.

In Canada, the expected strength factor, $\Omega_E$, shall be 1.4 for walls with steel sheet sheathing.

**E6.3.3 Expected Strength**

The expected strength ($\Omega_{EVn}$) shall be determined from the nominal strength in accordance with this section. The expected strength factor, $\Omega_E$, shall be equal to **1.5 for shear walls with gypsum board or fiberboard panel sheathing**, the overstrength factor, $\Omega_o$, determined in accordance with the applicable building code.

*User Note:*
In the U.S. and Mexico, for cold-formed steel light frame shear walls sheathed with gypsum board panels or fiberboard panels, specific research on the expected strength of the walls based on energy dissipation at the connection between the sheathing and studs has not been completed. As a result, the overstrength factor, $\Omega_o$, obtained from the applicable building code is used as a coarse estimate at this time. Based on ASCE 7, $\Omega_o=2.5$ for bearing wall systems and building frame systems.
2. Revise the title as follows:

**E3.4.2 Required Strength [Effect Due to Factored Loads] for Seismic Force-Resisting System Chord Studs, Anchorage and Collectors**

=================================================================

Commentary of Supplement 1 to AISI S400-15:

Revise AISI S400-15-C by adding Section B3.3, and revising Sections E1.3.3, and E6.3 as indicated below:

**B3.3 Expected Strength [Probable Resistance]**

The expected strength [probable resistance] may be expressed as a factor ($\Omega$) times the nominal strength.

In the United States and Mexico: In AISI S400-15 an upperbound (conservative) value for $\Omega = \Omega_o$ was employed when additional information for determining $\Omega$ was unavailable, e.g. in Section E1.3.3. In 2016, a more precise upperbound estimate for $\Omega$ was recognized. At the design limit, $\phi V_n = V_{be}/R$ where $V_{be}$ is the elastic base shear demand. The expected equilibrium between the demand and capacity is $\Omega o V_{be}/R = V_n + V_o$, where $V_o$ is the lateral resistance of elements outside of the seismic force-resisting system (SFRS). Substituting the design limit for $V_n$ and assuming, as an upperbound, that no force is carried outside of the SFRS ($V_o = 0$) results in an upperbound estimate of $\Omega = \phi \Omega_o$—this upperbound would appear to reward systems with low $\phi$ (i.e. highly variable). As an additional check, it is considered that the exceedance probability of the upperbound capacity ($\Omega \phi V_n$) should be the same as the lowerbound failure probability, assuming a symmetrical probability distribution—this implies: $\Omega = V_n + (V_n - \phi V_n)$, or $\Omega_e = 2 - \phi$. Thus, an upperbound is established that $\Omega_e = \max(\phi \Omega_o, 2 - \phi)$. This upperbound is applied in this Standard when additional information is unavailable for determination of $\Omega$.

**E1.3.3 Expected Strength [Probable Resistance]**

This Standard incorporates a capacity-based design approach in which an element (fuse) of the seismic force-resisting system of a structure is designed to dissipate energy. The fuse element, known as the designated energy-dissipating mechanism, must be able to carry seismic loads over extensive inelastic displacements without sudden failure. It is expected that the fuse element will fail in a ductile, stable and predictable manner, at which time it will reach and maintain its maximum load-carrying resistance. In a structure that makes use of cold-formed steel framed shear walls with wood structural panels as lateral force-resisting elements, the shear walls themselves can initially be thought of as the fuse elements in the larger lateral force-resisting system. More specifically, it is the sheathing-to-steel framing connections of the shear wall that have been shown to fail in a ductile fashion and hence, it is these connections that are the designated energy-dissipating mechanism – i.e., the fuse. Thus, we seek the expected strength of this mechanism so that it can be protected.

The capacity-based design approach stipulates that all other components and connections in the lateral load-carrying path must be designed to withstand the expected [probable] strength of the designated energy-dissipating mechanism (fuse) element, where the expected strength takes into account expected overstrength (strength above nominal) that may exist. In the case of a cold-formed steel framed shear wall, the system includes the chord studs, field studs, hold-down and anchorage, track, etc.; these components are designed to carry the expected [probable] strength of the shear wall while the sheathing-to-framing connections fail in a ductile manner. To design the chord studs and other components of the seismic force-resisting system, it is necessary to estimate the probable capacity of the shear wall based on a sheathing connection failure mode. This can be achieved by applying an overstrength factor to the nominal resistance...
In the United States and Mexico: It should be noted that the nominal strengths shown in Table E1.3-1 are based on a degraded backbone curve determined using the SPD cyclic protocol (Figure C-E1.3.1-1). Testing of similar specimens with the SPD and CUREE cyclic protocol were 20 percent higher using the CUREE cyclic protocol (Boudreau et al., 2005). Thus, expected strengths in the United States and Mexico are at least 1.2 times \(v_n\) in Table E1.3-1. However, no additional analysis has been conducted for finding expected strength. As a result, the upperbound estimate introduced in Commentary Section B3.3 is employed:

\[
\Omega_E = \max(\phi \Omega_o, 2 - \phi)
\]

A conservative approach has been adopted at this time: the system overstrength factor, \(\Omega_o\), obtained from the applicable building code is used as a coarse (and conservative) estimate. For this system \(\phi = 0.6\), and \(\Omega_o = 3\) for bearing wall systems and 2.5 for building frame systems resulting in \(\Omega_E = 1.8\).

(No changes to the rest of this section.)

E6.3 Shear Strength

The requirements for nominal strength of shear walls with gypsum board or fiberboard panel sheathing are comparable to those of shear walls with wood structural panel sheathing. Refer to Section E1.3.1, and also the following sections for additional commentary.

Strength of Type I shear walls with fiberboard panel sheathing are based on studies by the NAHB Research Center (NAHB, 2005) and by the American Fiberboard Association (PFS, 1996; and NAHB, 2006). The nominal strength values for shear walls faced with fiberboard in Table E6.3-1 were based on monotonic tests of fiberboard sheathed, cold-formed steel framed shear walls and were compared to the monotonic and cyclic tests that are the basis of the building code tabulated capacities for fiberboard sheathed, wood framed shear walls. For the 2-inch (50.8 mm) and 3-inch (76.2 mm) edge screw spacing, the nominal strength values in Table E6.3-1 were based on the average peak load from tests of two 8-foot (2.438-m)-wide by 8-foot (2.428-m)-tall wall specimens. These nominal strength values were found to be within 90 percent of the nominal strength values for similarly sheathed wood framed walls. The ratio of steel-to-wood nominal strength values increased as the edge (perimeter) fasterener spacing increased and, therefore, extrapolating the 2/6 (92% ratio) and 3/6 (96% ratio) design values to 4/6 using a ratio of 90% was conservative. For the 4-inch (101.6 mm) edge screw spacing, the nominal strength values were calculated as 90 percent of the nominal strength value for a similarly sheathed wood framed wall.

In the United States and Mexico: The upperbound estimate for expected strength introduced in Commentary Section B3.3 is also used for gypsum board and fiberboard shear walls. For these shear walls, per ASCE/SEI 7-10 with bearing wall systems, \(\Omega_o = 2.5\), and \(\phi = 0.6\), results in an upperbound \(\Omega_E = 1.5\).
PROPOSED REVISION OF:

Gray Iron Threaded Fittings
Classes 125 and 250

DRAFT DATE 05/2016

TENTATIVE SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Codes and Standards
7 DIMENSIONS AND TOLERANCES

7.1 General
Center-to-end dimensions in millimeters are given for standard straight and reducing fittings in Tables 2 through 6 (Tables I-2 through I-6 are in U.S. Customary units). The sketches of fittings shown in the Standard are representative and for the purpose of illustration.

7.2 Reducing Fittings
7.2.1 The dimensions of reducing fittings shown in Tables 2 through 6 and 3 and 4 (Tables I-2 through I-6 I-3 and I-4) are for use only when making patterns for the of reducing fittings are for use only when making patterns for the specific reducing fitting in question and do not apply when a larger size pattern is reduced (i.e., “bushed”) to make the reducing reduction or reductions in the fitting wanted. Reducing pipe fitting patterns shall be designed to produce wall thicknesses, detail, and dimensions as required for the sizes involved.
7.2.2 The transition in wall thickness from one end size to another shall be in a manner that minimizes the addition of stress caused by sudden changes in direction or wall thickness.
7.2.3 Proof of design shall be verified by a hydrostatic pressure test made at ambient temperature in which pressure is applied for a continuous period of no less than one (1) minute and at which the minimum constant pressure shall be of no less than five (5) times the pressure rating of the largest size of end connection in the reducing fitting; at ambient temperature, and without evidence of cracks, fracture, or leakage. Testing is considered successful only when no evidence of cracking, fracturing, or leakage is exhibited after holding for at least the minimum time at or above the required pressure.

7.3 Tolerances
The following tolerances shall be permitted:
(1) Metal Thickness Tolerances. Metal thickness at no point in the castings shall be less than 90% of the value given in Tables 2 through 6 (Tables I-2 through I-6).
(2) Center-to-End Tolerances. Permitted tolerances on the center-to-end dimensions of the fittings are shown in Tables 7 and I-7. Tolerances for end-to-end dimensions and lengths of couplings and reducers shall be twice those given. The largest opening in a reducing fitting governs the tolerances to be applied to all openings. These tolerances do not apply to return bends and caps.

4 SIZE

4.1 Nominal Pipe Size
As applied in this Standard, the use of the phrase “nominal pipe size” or the designation NPS followed by a dimensionless number is for the purpose of identifying the end connection of fittings. The number is not necessarily the same as the fitting inside diameter.

4.2 Reducing Fittings
For reducing tees and crosses, the size of the largest run opening shall be given first, followed by the size of the opening at the opposite end of the run. Where the fitting is a tee, the size of the outlet is given last. Where the fitting is a cross, the largest side-outlet opening is the third dimension given, followed by the opposite opening. The straight-line sketches of Fig. 1 illustrate how the reducing fittings are read.

5 MARKING
(a) Each Class 125 fitting shall be marked for identification with the manufacturer’s name or trademark.
(b) Each Class 250 fitting shall be marked for identification with

(1) the manufacturer’s name or trademark
(2) the numerals “250”

6 MATERIAL
Castings shall be produced to meet the requirements of ASTM A126, Class A, B, or C. The manufacturer shall be prepared to certify that the product has been so produced and that the chemical and physical properties thereof, as proved by test specimens, are equal to these requirements.

7 DIMENSIONS AND TOLERANCES

(a) Center-to-end dimensions in millimeters are given for standard straight and reducing fittings in Tables 2 through 6 (Tables I-2 through I-6 are in U.S. Customary units). The sketches of fittings shown in the Standard are representative and for the purpose of illustration.
(b) The dimensions in Tables 2 through 6 (Tables I-2 through I-6) of reducing fittings are for use only when making patterns for the specific reducing fitting in question and do not apply when a larger size pattern is bushed to make the reducing fitting wanted.
(c) The following tolerances shall be permitted:

(1) Metal Thickness Tolerances. Metal thickness at no point in the castings shall be less than 90% of the value given in Tables 2 through 6 (Tables I-2 through I-6).

(2) Center-to-End Tolerances. Permitted tolerances on the center-to-end dimensions of the fittings are shown in Tables 7 and I-7. Tolerances for end-to-end dimensions and lengths of couplings and reducers shall be twice those given. The largest opening in a reducing fitting governs the tolerances to be applied to all openings. These tolerances do not apply to return bends and caps.

8 THREADING
(a) All fittings shall be threaded according to ANSI/ASME B1.20.1, and the variations in threading shall be limited to one turn large or one turn small from the gaging notch on the plug when using working gages.
(b) The reference point for gaging internal fittings threads depends upon the chamfer diameter. When the
PROPOSED REVISION OF:

Ductile Iron Pipe Flanges and Flanged Fittings

Classes 150 and 300

Draft Date 05/2016

TENTATIVE
SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Codes and Standards
7.3 Flange Bolt Holes

Bolt holes are in multiples of four so that fittings may face in any quadrant. Pairs of bolt holes shall straddle the centerlines as described in Tables 38 and 710.
NONMANDATORY APPENDIX B
METHODS FOR ESTABLISHING PRESSURE–TEMPERATURE RATINGS

B-1 GENERAL

B-1.1 Introduction

Pressure–temperature ratings in this Standard have been determined by the procedures in this Appendix. The primary consideration in establishing ratings is adequate wall thickness to sustain stresses due to pressure and other loadings. See para. B-1.2. Other considerations affecting (a) stress in the gasket and to maintain gasket seal
(b) distortion of flanges and flanged fittings due to loadings transmitted through the pipeline
(c) limitations applying primarily to valves but imposed also on flanges to maintain compatible ratings

B-1.2 Wall Thickness

Wall thickness requirements for flanged fittings are set forth in para. 8.1, and minimum thicknesses, $t_m$, are listed in the tables designated in para. 8.1. These values are all greater than those determined by eq. (1).

$$ t = 1.5 \frac{P_d}{(2S - 1.2P_c)} $$  \hspace{1cm} (1)

where

- $t$ = calculated thickness, in.
- $P_d$ = pressure rating class designation expressed in pounds per square inch (e.g., $P_c = 150$ psi for Class 150)
- $S$ = stress factor of 7,000 psi
- $P_c$ = pressure rating class index expressed in pounds per square inch ($P_r = 300$ psi for Class 300 and $P_r = 115$ psi for Class 150)
- $S_1$ = selected stress, psi

The selected stress, $S_1$, shall be the lower of the following values:

a) 60% of specified minimum yield strength at 100°F.

b) 1.25 times the allowable stress at 100°F. The allowable stress shall be determined by the rules of the ASME Boiler and Pressure Vessel Code, Section I, Appendix A.

$$ S_1 = 31,000 \times \left( \frac{T}{49.85} \right) $$  \hspace{1cm} (3)

Using 100 as the value for $T$, eq. (3) establishes an upper limit for bolt loads approximating 125% of allowable stress for ASTM A193 Grade B7 bolting.

B-2.2 Ratings for Class 150

Pressure–temperature ratings for Class 150 flanges and flanged fittings are determined as follows:

a) The value for $P_r$ at temperature, $T$ (°F), for temperatures from 400°F to 650°F shall be that given by eq. (4).

$$ P_r = 320 - 0.3T $$  \hspace{1cm} (4)

The limits of $T$ are 400°F minimum and 650°F maximum.

b) The values for $P_T$ between 100°F and 400°F shall be determined by linear interpolation of the values calculated for $P_T$ at 100°F using eqs. (2) and (4).

B-2.3 Ratings for Class 300

Pressure–temperature ratings for Class 300 flanges and flanged fittings are determined as follows:

a) The value for $P_T$ at temperature, $T$ (°F), for temperatures from 400°F to 650°F shall be that given by eq. (5).

$$ P_T = 645 - 0.3T $$  \hspace{1cm} (5)

The limits of $T$ are 400°F minimum and 650°F maximum.

b) The values for $P_T$ between 100°F and 400°F shall be determined by linear interpolation of the values calculated for $P_T$ at 100°F and 400°F using eqs. (2) and (5).
NSF/ANSI International Standard for Food Equipment —

Commercial cooking, rethermalization, and powered hot food holding and transport equipment

5 Design and construction

5.25 Enclosed spaces

5.25.1 Enclosed spaces shall be sealed or shall have removable access panels.

5.25.2 Removable panels shall be provided where condensation is likely to occur within an enclosed space.

5.25.3 Functional openings in an oven interior are exempt from 5.25.1 and 5.25.2. Examples include but are not limited to:

- openings provided to facilitate the movement of air or energy such as are typical in a microwave oven; or
- steam outlets in ovens and steamers.

The list of exemptions is not intended to be exhaustive.
9.9 Product-specific quality assurance requirements

- 
- 
- 

Table 8 – Chlorinated poly (vinyl chloride) (CPVC) pipe test frequency

<table>
<thead>
<tr>
<th>Test</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>burst pressure(^1, 2)</td>
<td>24 h</td>
</tr>
<tr>
<td>dimensions</td>
<td></td>
</tr>
<tr>
<td>pipe OD</td>
<td>2 h</td>
</tr>
<tr>
<td>pipe wall thickness</td>
<td>2 h</td>
</tr>
<tr>
<td>pipe out-of-roundness</td>
<td>2 h</td>
</tr>
<tr>
<td>flattening resistance(^1)</td>
<td>annually</td>
</tr>
<tr>
<td>sustained pressure pipe and fittings assemblies</td>
<td>annually</td>
</tr>
<tr>
<td>product standards</td>
<td></td>
</tr>
<tr>
<td>ASTMD2846</td>
<td></td>
</tr>
<tr>
<td>ASTM F441</td>
<td></td>
</tr>
<tr>
<td>ASTM F442</td>
<td></td>
</tr>
<tr>
<td>CSA B137.6</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Applies only to products produced under ASTM F441 and F442 as referenced in 2 of this Standard.

\(^2\) If one compound is continuously used in several machines or sizes, when a steady-state operation is obtained on each machine the manufacturer shall choose one of the following sampling methods:
- Sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes. Refer to Table 2 for minimum sample size.
- Or
- If more than three extruders are in operation, the sample shall consist of a minimum of one specimen from each extruder and shall be burst tested every 12 hours (minimum of 8 samples). This option requires additional testing than option 1 when there are more than 3 extruders.
9.9 Product-specific quality assurance requirements

Table 2 – Minimum number of test specimens for a sample

<table>
<thead>
<tr>
<th>Test</th>
<th>Number of specimens</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>1</td>
</tr>
<tr>
<td>Burst pressure start-up</td>
<td>5</td>
</tr>
<tr>
<td>Burst pressure during steady-state operation</td>
<td>1</td>
</tr>
<tr>
<td>crush</td>
<td>1</td>
</tr>
<tr>
<td>deflection load and crush resistance</td>
<td>3</td>
</tr>
<tr>
<td>degree of crosslinking</td>
<td>1</td>
</tr>
<tr>
<td>elongation (microtensile)</td>
<td>2</td>
</tr>
<tr>
<td>environmental stress crack resistance</td>
<td></td>
</tr>
<tr>
<td>materials tests</td>
<td>10</td>
</tr>
<tr>
<td>pipe tests</td>
<td>6</td>
</tr>
<tr>
<td>flattening</td>
<td>3</td>
</tr>
<tr>
<td>impact</td>
<td>10</td>
</tr>
<tr>
<td>pipe stiffness</td>
<td>3</td>
</tr>
<tr>
<td>stabilizer functionality</td>
<td>2</td>
</tr>
<tr>
<td>sustained pressure</td>
<td>6</td>
</tr>
<tr>
<td>tup puncture resistance</td>
<td>3</td>
</tr>
</tbody>
</table>

† If one compound is continuously used in several machines or sizes, when a steady-state operation is obtained on each machine the manufacturer shall choose one of the following sampling methods:

- sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes. Refer to Table 2 for minimum sample size.

Or

If more than three extruders are in operation, the sample shall consist of a minimum of one specimen from each extruder and shall be burst tested every 12 hours (minimum of 8 samples). This option requires additional testing than option 1 when there are more than 3 extruders.
F.4 Life test

F.4.5 Acceptance criteria

At least one of the three mechanical chemical feeders shall complete 3000 satisfactory operating hours, and a minimum of 8000 satisfactory operating hours shall be accumulated among the three units. At the conclusion of the testing, the units shall perform as intended by the manufacturer and shall continue to conform to the uniformity of output, suction lift, and pressure requirements in Annex F, section F.5.
NSF/ANSI 50 – 2015

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

14.12 Life Test

When tested in accordance with the life test described in Annex I, a minimum of 8000 operating hours shall be accumulated among the three units; no less than 3000 operating hours shall be accumulated on one of the three units. At the conclusion of the testing, the unit with 3000 operating hours shall be evaluated to the output operational protection, pressure, and disinfection efficacy requirements of this section.

•
•
•
BSR/UL 268, Standard for Safety for Smoke Detectors for Fire Alarm Systems

PROPOSAL

1. New Cooking Nuisance, Polyurethane Flaming and Smoldering Tests

41.4 Flammable liquid fire (Canada only)

41.4.1 The following materials and procedures shall be used for the flammable liquid fire test:

a) Combustible - Consists of a mixture of 25 percent toluene and 75 percent heptane which is to be burned in a metal receptacle in a large enough quantity to generate curves within the limits specified by Figure 12.

b) Receptacle - To be formed of 0.635-mm (0.025-in) stainless steel, 158 mm (6-1/4 in) in diameter and 32 mm (1-1/4 in) deep, the bottom having 12.7 mm (1/2 in) rounded base, located 0.9 m (3 ft) above the test room floor and centered with a ring support. The liquid is to be poured into the receptacle 30 seconds prior to ignition.

c) Point of Ignition - The probe tips of the igniter are to be placed so that they are above the lip of the pan and not extending into the pan. This results in ignition of the vapors above the liquid.

d) Smoke Profiles - For this test the following conditions apply:

1) Maximum obscuration shall not exceed 36.7 percent per meter (13 percent per foot) [0.199 OD/m (0.061 OD/foot)] at the ceiling alarm location.

2) In the United States, maximum obscuration shall not exceed 45.8 percent per meter (17 percent per foot) [0.265 OD/m (0.081 OD/foot)] at either side wall alarm location.

32) The test shall be terminated 4 minutes after ignition. The response time of each detector shall not be more than 4 minutes.

42 Smoldering smoke test

42.1 Each detector shall operate for continuous (steady or pulsing) alarm when installed as intended in service, and exposed to the controlled smoldering smoke condition specified in 42.3 - 42.10. For a detector whose alarm is identified as nonpulsing, and that emits alarm pulses with the initial entry of smoke, a continuous alarm condition is one which is continuous (nonpulsing) for not less than 5 seconds.

In the United States - Detectors shall also comply with the Smoldering Polyurethane Foam test specified in Annex I.

42.2 Unless specifically indicated otherwise in the detector installation instructions, the detectors shall be installed in the least favorable position for smoke entry with respect to the smoldering smoke source as determined by the Directionality Test, Section 33. Detectors adjusted to the minimum smoke detector sensitivity shall be employed for this test.

In the United States - Detectors shall also comply with the Smoldering Polyurethane Foam test specified in Annex I.
I4.3A Smoke detector and ceiling equipment placement

I4.3A.1 Carbon monoxide shall be measured and recorded and shall not exceed the limit specified in I4.4.6.1 when conducting this test. The CO measuring equipment shall either be range selectable by the user or have auto range capability for measuring up to 10 ppm of carbon monoxide. The sample draw for the CO monitor location shall not exceed 3.3 L/min (0.12 ft³/min).

I4.3A.2 The carbon monoxide sampling tube shall be centered between the 2nd and 3rd smoke detector as illustrated in Figure I4.6. The sample tube shall not be larger than the rated 6.4 mm (1/4 in) O.D. tubing, and shall protrude from the ceiling surface 25.4 ± 3.2 mm (1 ± 0.125 in) into the room from the ceiling surface. Centering of the test samples (detectors) and CO sample tube shall be within ±10% of the specified dimensions illustrated in Figures I4.5 and I4.6.

I4.3A.3 Beam and MIC placement shall be located in the 10-foot location as noted in Figure I4.5, with the same Beam and MIC placement as specified in “Figure 13 (United States Only) - Fire Test Room,” items C, D, E and F.
(REVISED)
Figure I4.5
Fire test room electric range and smoke detector placement

(Correction changes one item of room dimension from 65'-0" to 65")
Figure I4.6
Smoke detector spacing

(CURRENT)

Smoke Alarm
76 mm (3 in)
Smoke Alarm
76 mm (3 in)
Smoke Alarm
76 mm (3 in)
Smoke Alarm

(REVISIED)

CO Sample Centered on Smoke Detector
Smoke Detector #1
76 mm (3 in)
Smoke Detector #2
76 mm (3 in) 38.1 mm (1.5 in) CO Sample Location
Smoke Detector #3
76 mm (3 in)
Smoke Detector #4
I4.4.6 Smoke profile criteria

I4.4.6.1 Unless otherwise specified, the development of the combined smoke and carbon monoxide from a broiling hamburger shall be such that the curve of the measured data falls between the upper and lower limits specified in the figures below:

a) Figure I4.1, OBS vs. Time
b) Figure I4.2, MIC vs. Time
c) Figure I4.3, OBS vs. MIC
d) Figure I4.4, CO vs. OBS

I4.4.6.2 For Figure I4.4, CO vs. OBS, the curve of the measured data may fall between the upper and lower limits but shall not exceed the upper limit specified in the figure.
1. Enhancement of Conformance Criteria in Polymer Variations Program in Section 9.9

PROPOSAL

9.9.2 Table 9.1 indicates the properties that are to be considered leading indicators when evaluating polymer variations. If the results of side-by-side testing based on the test program shown in Table 9.2 demonstrates comparable results (for polymer variations evaluated for use with either the same or a new designation) or better results (for polymer variations only for use under a new designation), then all ratings from the original formulation may be extended to the variation. However, if all tests do not indicate comparable results, then no ratings shall be extended to the variation unless determined through direct testing.

Exception: In cases where testing of a polymer variation shows better results, the material may retain the same designation and be assigned better ratings if both of the following conditions are met:

a) Full side by side testing of all critical properties is conducted in accordance with Program Code C of Table 9.2, and

b) None of the other tested properties are adversely affected.

Results are considered comparable if:

1. The PLC ratings (for the applicable tests) are the same or the test result of the Polymer Variation is within ±10% of the test result obtained for the original formulation.

2. The UL 94 flammability ratings are the same, and

3. The UL 746B RTL values based on LTTA testing, if applicable, comply with Section 19 of UL 746B for related materials.

Exception: Regarding Item 1, for mechanical properties like Tensile strength, Flexural Strength and Impact strength, the test result strengths of the Polymer variations are within ±15% of the test result obtained for the original formulation.
BSR/UL 1069, Standard for Safety for Hospital Signaling and Nurse Call Equipment

1. UL 1069 Fundamentals Update

1.3 Miscellaneous signaling equipment not intended to perform fundamental operation, such as bedside tables, bed exit devices, annunciators, gas monitoring units, and other similar types of equipment may Accessory equipment or devices which are intended to be interfaced with a fundamental NCS to initiate routine calls or supplementary operation and which do not initiate emergency or code call signaling can be evaluated for compliance with applicable requirements described in this standard.

1.4 A minimal fundamental NCS performs the following operations:

a) Call Initiation - Activation of a staff or patient request for assistance via fixed or portable call initiation station,

b) Notification - Call annunciation (audible and visual) at a primary nurse control station,

c) Notification - Call-placed indicator (visual) on the call initiation station,

d) Notification - Call annunciation at a corridor lamp,

e) Notification - Zone annunciation (audible and visual) on a zone lamp, and

f) Call reset/cancellation.

1.5 A fundamental NCS may employ a wireless interface to perform fundamental operations or a supplementary operation such as notification at a redundant portable nurse's station.

1.2.4 To be able to claim functional compatibility with multiple NCS, pillow speakers, power supplies and signaling equipment intended to power or perform fundamental operation shall be tested with each fundamental NCS with which they are intended to operate.

2.1.4 For the purposes of enabling a proprietary communications interface for accessory equipment or devices, the protocol of the fundamental NCS can be uniquely tested as a software device in accordance with 16.1.1.

2.1.5 Miscellaneous signaling equipment shall be marked to identify each fundamental NCS with which the item is compatible. It is permissible for the marking to be described in the manufacturer's installation instructions. The marking When a communications interface is enabled as described in 1.3 and 2.1.4, the NCS installation instructions shall include at least the following:

a) Each NCS The manufacturer's name or private labeler's name, trademark, or other descriptive marking by which the each accessory organization can be identified.

b) Make, model or system identifiable name of each NCS accessory.

c) Any special conditions required for use with each NCS accessory.

2.1.6 Any device or operation which has not been evaluated to the requirements of this standard shall not replace or substitute a fundamental device or operation that was evaluated and tested to the requirements of this standard, except as specified in 16.1.1.
3.1.1 ACCESSORY EQUIPMENT / DEVICES - Non-fundamental equipment or devices which can be connected to or interfaced with a fundamental NCS for the purposes of initiating routine calls or supplementary operation only.

(CURRENT)
16.1.1 Unless otherwise indicated, substitution of devices and equipment shall be permitted for the following purposes:

   a) To provide equivalent circuit loading that is characteristic of fundamental NCS equipment or signaling equipment.

   b) To actuate equivalent call events which are characteristic of the fundamental NCS or signaling equipment but which does not replace the protocol or messaging of fundamental call events.

Exception: Simulation of fundamental NCS communications protocol and messaging for the purposes of system network loading shall be permitted.

(PROPOSED)
16.1.1 For testing purposes only, simulation of devices and equipment shall be permitted to provide equivalent circuit or network loading that is characteristic of fundamental NCS equipment or accessory signaling equipment.