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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

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

\* Standard for consumer products

## Comment Deadline: February 28, 2016

### API (American Petroleum Institute)

#### *New Standard*

BSR/API Standard 537-201x, Flare Details for Petroleum, Petrochemical and Natural Gas Industries (new standard)

Specifies requirements and gives guidance for the selection, design, specification, operation, and maintenance of flares and related combustion and mechanical components used in pressure-relieving and vapor-depressurizing systems for petroleum, petrochemical, and natural gas industries. This standard is primarily for onshore facilities, but guidance for offshore applications is included. Annexes A, B, C, and D provide further guidance for the selection, specification, and mechanical details for flares and on the design, operation, and maintenance of flare combustion and related equipment. Annex E explains how to use the data sheets provided in Annex F.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nathaniel Wall, (202) 682-8157, [walln@api.org](mailto:walln@api.org)

### NSF (NSF International)

#### *Revision*

BSR/WSC PST2000-201x (i4r1), WSC Standard for Pressurized Water Storage Tank (revision of ANSI/NSF WSC PST 2000-2014)

This standard prescribes minimum performance and construction requirements for pressurized storage tanks for service in water well systems with a maximum factory pre-charge pressure of 40 psig (280 kPa), to be operated in ambient air temperatures up to 120°F (49°C), with maximum working pressures not less than 75 psig (520 kPa) and not greater than 150 psig (1000 kPa) and tank volumes not exceeding 120 gallons (450 L).

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jessica Evans, (734) 913-5774, [jevans@nsf.org](mailto:jevans@nsf.org)

### PRCA (Professional Ropes Course Association)

#### *Revision*

BSR/PRCA 1.0-3-201x, Ropes Challenge Course Installation, Operation & Training Standards (revision of ANSI/PRCA 1.0-3-2014)

An error has been noted in the June 10th 2011 public review of changes (SAV4242 page 35). The purpose of this proposal is to correct the public review error to reflect the Standards Committee (consensus body) vote on the standard clause. To submit a comment on this specific proposed change, go to the <http://www.prcainfo.org> website and download the comment form.

This Standard establishes safety requirements for the design, manufacture, performance, construction, inspection, maintenance, removal from service, qualification, instruction, training, use and operation of components, subsystems, systems, and courses utilized by the ropes challenge course industry including permanent, temporary, or mobile portable and fixed low ropes challenge course elements, high ropes challenge course elements, stand-alone challenge elements, zip lines, canopy tours, adventure courses, and any climbing walls and climbing structures that are components of a ropes challenge course.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Michael Barker, (815) 986-7776, [climb1guide@gmail.com](mailto:climb1guide@gmail.com)

### PSAI (Portable Sanitation Association International)

#### *New Standard*

BSR/PSAI Z4.3-201x, Standard for Sanitation Non-Sewered Waste Disposal Systems: Minimum Requirements (new standard)

This new standard replaces the former ANSI Z4.3-2005. Following prior public comment and vote of the consensus body it was determined that a few changes to language pertaining to hand wash station requirements and disposal of wastewater were needed. Other wording changes were made for clarity in the language.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Karleen Kos, (952) 854-8300, [karleenk@psai.org](mailto:karleenk@psai.org)

### PSAI (Portable Sanitation Association International)

#### *New Standard*

BSR/PSAI Z4.4-201x, Sanitation in Fields and Temporary Labor Camps: Minimum Requirements (new standard)

This new standard replaces the former ANSI Z4.4-2005. Following prior public comment and vote of the consensus body it was determined that a few changes to language pertaining to hand wash station requirements were needed.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Karleen Kos, (952) 854-8300, [karleenk@psai.org](mailto:karleenk@psai.org)

### UL (Underwriters Laboratories, Inc.)

#### *New National Adoption*

BSR/UL 60079-18-201X, Standard for Safety for Explosive Atmospheres - Part 18: Equipment Protection by Encapsulation "m" (Proposal dated 01-29-16) (national adoption of IEC 60079-18 with modifications and revision of ANSI/UL 60079-18-2012)

This proposal includes a revision for 10 e) to align with the tests specified in 8.2.2 and correct the conflict with the NEC.

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

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

### UL (Underwriters Laboratories, Inc.)

#### *Revision*

BSR/UL 507-201x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2014b)

Addition of an exception to allow the use of a cord connection for an attic fan.

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

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

### UL (Underwriters Laboratories, Inc.)

#### *Revision*

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (Proposals dated 1/29/16) (revision of ANSI/UL 758-2015)

Proposed change to the note in table 14.1; Proposed change to correct the EP references in table 7.1; Proposed change to add 350°C Class 10 Nickel Coated Copper Conductor to table 5.3.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Linda Phinney, (408) 754-6684, [Linda.L.Phinney@ul.com](mailto:Linda.L.Phinney@ul.com)

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

BSR/UL 1650-201X, Standard for Safety for Portable Power Cables  
(Proposal dated 1/29/16) (revision of ANSI/UL 1650-2015)

Tensile strength for TPE jacket; Proposed change to table 8.3.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Linda Phinney, (408) 754-6684, [Linda.L.Phinney@ul.com](mailto:Linda.L.Phinney@ul.com)

**Comment Deadline: March 14, 2016****AAMI (Association for the Advancement of Medical Instrumentation)****New National Adoption**

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

This part of ISO 10993 specifies requirements and gives guidance on procedures to be followed in the evaluation of the potential for medical device materials to cause adverse systemic reactions.

Single copy price: \$135.00

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

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

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

**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASABE AD4254-12-201x MONYEAR, Agricultural machinery - Safety - Part 12: Rotary disc and drum mowers and flail mowers (identical national adoption of ISO 4254-12:2012)

When used with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of rotary disc mowers, rotary drum mowers, as used for forage crop harvesting in agriculture only, and flail mowers with a horizontal axis for use in agriculture only, that are mounted, semi-mounted, trailed, or self-propelled. It describes methods for the elimination or reduction of hazards arising from the intended use and reasonably foreseeable misuse of these machines by one person (the operator) in the course of normal operation and service. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer.

Single copy price: \$58.00

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

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

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

**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASABE/ISO 17101-1-201x MONYEAR, Agricultural machinery - Thrown-object test and acceptance criteria - Part 1: Rotary mowers (identical national adoption of ISO 17101-1:2012)

Contains specifications and acceptance criteria for thrown-object testing of rotary mowers used in agriculture. Not applicable to the following: flail mowers; mowers with an articulated arm; mowers with one or more vertical axis designed for mulching; pedestrian-controlled motor mowers; lawn mowers or machines designed as lawn mowers; inter-row mowing units; and machines designed for highway and road maintenance only.

Single copy price: \$58.00

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

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

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

**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASABE/ISO 17101-2:2012 MONYEAR, Agricultural machinery - Thrown-object test and acceptance criteria - Part 2: Flail mowers (identical national adoption of ISO 17101-2:2012)

This part of ISO 17101 gives specifications and acceptance criteria for the thrown-object testing of flail mowers used in agriculture. It is not applicable to the following: large rotary mowers; rotary mowers; mowers with an articulated arm; mowers with one or more vertical axis designed for mulching; pedestrian-controlled motor mowers; lawn mowers or machines designed as lawn mowers; inter-row mowing units; machines designed for highway and road maintenance only; and flail mowers that have the rear part that can be opened for particular field use operations (e.g., rowcrop mowers)

Single copy price: \$58.00

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

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

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**ASABE (American Society of Agricultural and Biological Engineers)****New Standard**

BSR/ASABE S639 MONYEAR-201x, Safety Standard for Large Row Crop Flail Mowers (new standard)

Specifies safety requirements and verification for the design and construction of row-crop flail mowers with a cutting width larger than 3m used exclusively in agricultural row-crop applications which have a rear part that can be opened for particular field use operations (equipped with adjustable material discharge gates or deflectors located on the rear of the mower.) It describes methods for the elimination or reduction of hazards arising from the intended use and reasonably foreseeable misuse of these machines by one person (the operator) in the course of normal operation and service. Specifies type of information on safe working practices to be provided by the manufacturer.

Single copy price: \$58.00

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

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

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

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

BSR/ASHRAE/IES Addendum cz to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES 90.1-2013)

The intent of this addendum is to eliminate scope overlap between 90.1 and 90.4. This addendum will not be published until 90.4 has been approved by ASHRAE Board of Directors and there are no pending appeals. The public review of this addendum coincides with the public review of 90.4, so please review that public review draft for data center requirements.

Single copy price: \$35.00

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Online Comment Database at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

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

BSR/ASHRAE Standard 90.4P-201x, Energy Standard for Data Centers (new standard)

The purpose of this standard is to establish minimum energy efficiency requirements of data centers. The significant changes to this ISC draft are the removal of Section 6.3, the revision of Section 11, Alternative Compliance method, and to the tables in Section 8, Electrical.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Online Comment Database at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

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

BSR/ASME B31.5-201x, Refrigeration Piping and Heat Transfer Components (revision of ANSI/ASME B31.5-2013)

Rules for this Code Section have been developed considering the needs for applications that include piping and heat transfer components for refrigerants and secondary coolants. This Code prescribes requirements for the materials, design, fabrication, assembly, erection, test, and inspection of refrigerant, heat transfer components, and secondary coolant piping for temperatures as low as 320°F (196°C), whether erected on the premises or factory assembled.

Single copy price: Free

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

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Umberto D'Urso, (212) 591-8535, [dursou@asme.org](mailto:dursou@asme.org)

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

BSR/ASSE A10.26-2011 (R201X), Emergency Procedures for Construction and Demolition Sites (reaffirmation of ANSI/ASSE A10.26-2011)

This standard applies to those emergency procedures involving: (1) Fires, collapses, hazardous spills, and other emergencies that could endanger workers; (2) Emergency rescue of injured or ill workers or other persons, or of uninjured workers unable to rescue themselves; (3) Onsite provision of first aid and emergency medical care; (4) Evacuation and transportation of injured or ill workers to appropriate emergency medical facilities; (5) Pre-planning and coordination of emergency plan with emergency medical facilities; and (6) Training on emergency procedures/plans for workers and other groups.

Single copy price: \$70.00

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Order from: Tim Fisher, (847) 768-3411, [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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

**ASSE (ASC Z359) (American Society of Safety Engineers)****New Standard**

BSR/ASSE Z359.16-201X, Safety Requirements for Climbing Ladder Fall Arrest Systems (new standard)

This standard establishes requirements for the performance, design, marking, qualification testing, instructions for use, inspection, maintenance and storage, and removal from service of vertically oriented climbing ladder fall arrest systems consisting of flexible and rigid carriers with multiple attachment points and associated carrier sleeves for users within the capacity range of 130 to 310 pounds (59 to 141 kg). See Figure 1 for examples of climbing ladder fall arrest systems equipment.

Single copy price: \$80.00

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Order from: Tim Fisher, (847) 768-3411, [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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

**ASSE (ASC Z359) (American Society of Safety Engineers)****New Standard**

BSR/ASSE Z359.18-201X, Safety Requirements for Anchorage Connectors for Active Fall Protection Systems (new standard)

This standard specifies requirements for the performance, design, testing, marking, and instructions for use of anchorage connectors in travel restraint, fall arrest, rescue, positioning, rope access, and suspended component/tie-back line systems only.

Single copy price: \$80.00

Obtain an electronic copy from: [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

Order from: Tim Fisher, (847) 768-3411, [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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

**ASTM (ASTM International)****Revision**

BSR/ASTM C838-201x, Test Method for Bulk Density of As-Manufactured Carbon and Graphite Shapes (revision of ANSI/ASTM C838-2001 (R2010))

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

Single copy price: Free

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

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

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

**ASTM (ASTM International)****Revision**

BSR/ASTM E2708-201x, Terminology for Personnel Credentialing (revision of ANSI/ASTM E2708-2010)

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

Single copy price: Free

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

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

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

**ECIA (Electronic Components Industry Association)****New Standard**

BSR/EIA 740-A-201x, Specification for Small Form Factor 88.9 Millimeter (3.5 Inches) Disk Drives (new standard)

This standard defines the dimensions and interconnections of 88.9 mm (3.5 in.) small-form-factor disk drives. The purpose of this standard is to define the external characteristics of small-form-factor disk drives so that products from different vendors may be used in the same mounting configurations. The standard provides specifications on external dimensions, connectors, connector placement, mounting holes, and interface pinouts to assist manufacturers in the systems integration of small-form-factor disk drives.

Single copy price: \$78.00

Obtain an electronic copy from: [global.ihs.com](http://global.ihs.com) (877) 413-5184

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-41E-2010 (R201x), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010)

This standard establishes a method to determine the effectiveness of round jacketed cable to connector strain relief seal, or flat cable to connector strain relief seal or interface to withstand strain under repeated alternating cable-flexing stresses as experienced in use with molded or mechanical backshell cable strain-relief designs commonly used with electrical connectors.

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/>

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**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-51A-2002 (R201x), Ice Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-51A-2002 (R2009))

This standard establishes test methods to determine the ability of mated electrical connectors to resist the effects of ice build-up due to water splashing or brief immersion in water, where water is free to drain off of the connector surfaces.

Single copy price: \$73.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-53B-2000 (R201x), Nitric Acid Vapor Test, Gold Finish Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-53B-2000 (R2007))

This standard establishes test methods to determine the magnitude of porosity as well as other surface defects inherent in application of gold contact finishes.

Single copy price: \$88.00

Obtain an electronic copy from: <https://global.ihs.com/> 1-800-854-7179

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-58A-2003 (R201x), Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-58A-2003 (R2009))

This standard establishes test methods to determine the ability of the contact retention system in an electrical connector with removable contacts to withstand a static mechanical load at elevated temperature.

Single copy price: \$73.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

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**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-88A-2009 (R201x), Residual Magnetism Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-88A-2009)

This standard establishes a test method to determine the residual magnetism of a connector after exposure to a specified magnetic field.

Single copy price: \$73.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-91A-2005 (R201x), Dust Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-91A-2005)

This standard establishes a test method to determine the susceptibility of an electrical connector or socket system to the potential degradation mechanism of a dust/fiber environment common to an office or manufacturing area.

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/> 1-800-854-7179

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-96-2002 (R201x), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96-2002 (R2009))

This test method applies to compliant pins inserted in printed circuit boards with plated-through-holes (PTH).

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-109-2003 (R201x), Loop Inductance Measurement Test Procedure for Electrical Connectors (1 nH -10 nH) (reaffirmation of ANSI/EIA 364-109-2003 (R2009))

This procedure applies to interconnect assemblies, such as electrical connectors and sockets.

Single copy price: \$100.00

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-112-2010 (R201x), Contact Resistance and Current Rating of Parallel Circuits Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-112-2010)

This procedure applies to connectors and sockets when multiple circuits are electrically connected in a parallel configuration and there is a need to determine the expected parallel resistance and or current rating.

Single copy price: \$82.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Reaffirmation**

BSR/EIA 364-113-2010 (R201x), Corrosivity of Contacts Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-113-2010)

This test procedure establishes a test method to determine whether corrosion products as a result of residual corrosive elements may be created on contact surfaces. Said products may be a result of improper cleaning or lack thereof, improper processes, entrapped particulates, etc.

Single copy price: \$73.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Revision**

BSR/EIA 364-1004A-201x, Environmental Test Methodology for Verifying the Current Rating of Freestanding Power Contacts for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-1004-2010)

This standard describes recommended test sequences for verifying the specified current rating of freestanding contacts or electrical connectors and sockets used in power applications. These sequences may be used to qualify products with a specified current rating.

Single copy price: \$72.00

Obtain an electronic copy from: <https://global.ihs.com/>

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**ECIA (Electronic Components Industry Association)****Revision**

BSR/EIA 720-B-201x, Specification for Small Form Factor 63.5 millimeters (2.5 inches) Disk Drives (revision and redesignation of ANSI/EIA 720-A -2007)

This standard defines the dimensions and connector locations of 63.5 millimeters (2.5 inch) small-form-factor disk drives. The purpose of this standard is to define the external characteristics of small-form-factor disk drives so that products from different vendors may be used in the same mounting configurations. The standard provides specifications on external dimensions, connectors, connector placement, and mounting holes to assist manufacturers in the systems integration of small-form-factor disk drives.

Single copy price: \$88.00 US

Obtain an electronic copy from: [global.ihs.com](http://global.ihs.com) (877) 413-5184

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski, [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

**IESNA (Illuminating Engineering Society of North America)****Reaffirmation**

BSR/IES RP-29-2006 (R201x), Lighting for Hospitals and Health Care Providers (reaffirmation of ANSI/IESNA RP-29-2006)

This Practice offers guidelines for good lighting in those areas unique to health care facilities, and is intended for both lighting designers and healthcare professionals. Lighting needs specific to acute care hospitals, chronic care hospitals, extended care facilities, and related facilities (free-standing ambulatory surgical centers, emergency centers, etc...) are addressed.

Single copy price: \$15.00

Obtain an electronic copy from: [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)

Order from: Patricia McGillicuddy, (212) 248-5000, [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)

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

**NEMA (National Electrical Manufacturers Association)****Revision**

BSR/MW 1000-201x, Magnet Wire (revision and redesignation of ANSI/NEMA MW 1000-2015)

MW 1000 presents in concise and convenient form all existing NEMA standards for round, rectangular, and square film-insulated and/or fibrous-covered copper and aluminum magnet wire for use in electrical apparatus. Included are the definitions, type designations, dimensions, constructions, performance, and test methods for magnet wire generally used in the winding of coils for electrical apparatus.

Single copy price: \$145.00

Order from: Techstreet, 6300 Interfirst Drive, Ann Arbor, MI 48108

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Mike Leibowitz, [mike.leibowitz@nema.org](mailto:mike.leibowitz@nema.org)

**NFSI (National Floor Safety Institute)****New Standard**

BSR/NFSI B101.2-201x, Test Method for Determining the Impact on Wet Coefficients of Friction of Various Chemical or Physical Walkway Surface Cleaners and Treatments on Common Hard-Surface Flooring Materials (new standard)

This test method measures the change in Dynamic Coefficient of Friction (DCOF) and Static Coefficient of Friction (SCOF) as the result of applying a chemical floor cleaning agent or treatment onto a hard walkway surface under wet conditions. This standard shall only be used in a laboratory or other controlled area and is not suited for in-situ use.

Single copy price: \$30.00

Obtain an electronic copy from: Laura Cooper, [laurac@nfsi.org](mailto:laurac@nfsi.org)

Order from: Laura Cooper [laurac@nfsi.org](mailto:laurac@nfsi.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Russell Kendzior, [russk@nfsi.org](mailto:russk@nfsi.org), and Laura Cooper, [laurac@nfsi.org](mailto:laurac@nfsi.org)

**NFSI (National Floor Safety Institute)****New Standard**

BSR/NFSI B101.8-201x, Standard Guide for Floor Safety Management Program for Slip, Trip and Fall Prevention (new standard)

This standard sets forth criteria to assist organizations in their efforts to establish a floor safety management program including the roles and the responsibilities of management, supervisory, and operational levels using accepted best practices to prevent and mitigate the risks of slips, trips and falls on walkways (S/T/F's).

Single copy price: \$30.00

Obtain an electronic copy from: Laura Cooper, [laurac@nfsi.org](mailto:laurac@nfsi.org)

Order from: Laura Cooper [laurac@nfsi.org](mailto:laurac@nfsi.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Russell Kendzior, [russk@nfsi.org](mailto:russk@nfsi.org), and Laura Cooper, [laurac@nfsi.org](mailto:laurac@nfsi.org)

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

BSR/NSF 401-201x, Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).

Single copy price: Free

Obtain an electronic copy from: [http://standards.nsf.org/apps/group\\_public/download.php/30384/401i2r1%20JC%20memo%20%20ballot.pdf](http://standards.nsf.org/apps/group_public/download.php/30384/401i2r1%20JC%20memo%20%20ballot.pdf)

Order from: Monica Leslie, (734) 827-5643, [mleslie@nsf.org](mailto:mleslie@nsf.org)

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

**UL (Underwriters Laboratories, Inc.)****New National Adoption**

BSR/UL 60079-5-201X, Standard for Safety for Explosive Atmospheres - Part 5: Equipment Protection by Powder Filling "q" (Proposal dated 01-29-16) (identical national adoption of IEC 60079-5 and revision of ANSI/UL 60079-5-2009 (R2013))

This proposal includes the new fourth edition of the Standard for Safety for Explosive Atmospheres - Part 5: Equipment Protection by Powder Filling "q" (fourth edition, issued by IEC February 2015) as a new IEC-based UL standard, UL 60079-5 with US differences.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

**UL (Underwriters Laboratories, Inc.)****New National Adoption**

BSR/UL 60079-6-201X, Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion "o" (Proposal dated 01-29-16) (identical national adoption of IEC 60079-6 and revision of ANSI/UL 60079-6-2009 (R2013) (12.00.05))

This proposal includes the new fourth edition of the Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion "o" (fourth edition, issued by IEC February 2015) as a new IEC-based UL standard, UL 60079-6 with US Differences.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

**UL (Underwriters Laboratories, Inc.)****New Standard**

BSR/UL 2039-201x, Standard for Flexible Connector Piping for Fuels (new standard)

The first edition of the standard is being proposed and covers primary, secondary, and coaxial types of flexible connector pipes intended for short-length transfer and containment of the specific liquid fuels (or vapors thereof) identified in this standard, at commercial (public) or fleet (private) automotive motor-vehicle fueling stations.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR Z80.36-201x, Light Hazard Protection for Ophthalmic Instruments (new standard)

Z80.36 specifies fundamental requirements for optical radiation safety for ophthalmic instruments and is applicable to all current ophthalmic instruments that direct optical radiation into or at the eye. It is also applicable to all new and emerging ophthalmic instruments that direct optical radiation into or at the eye, as well as to those portions of therapeutic or surgical systems that direct optical radiation into or at the eye for diagnostic, illumination, measurement, imaging, or alignment purposes.

Single copy price: \$65.00

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

Order from: Amber Robinson, (703) 740-1094, [arobinson@thevisioncouncil.org](mailto:arobinson@thevisioncouncil.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Amber Robinson, (703) 740-1094, [arobinson@thevisioncouncil.org](mailto:arobinson@thevisioncouncil.org)

**WCMA (Window Covering Manufacturers Association)****Revision**

BSR/WCMA A100.1-201x, Standard for Safety of Corded Window Covering Products (revision of ANSI/WCMA A100.1-2014)

This Standard applies to all interior corded window covering products. The items covered include the products listed in 1.2 when used in all reasonably foreseeable environments where young children are present. Subclause 1.2 (Window covering products covered) includes, but is not limited to, cellular shades, horizontal blinds, pleated shades, roll-up-style blinds, roller shades, Roman-style shades, traverse rods, and vertical blinds. These products can be manufactured and distributed as either stock or custom products.

Single copy price: \$36.00

Obtain an electronic copy from: [wcmanet.org](http://wcmanet.org)

Order from: [wcmanet.org](http://wcmanet.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [m-tierney@kellenccompany.com](mailto:m-tierney@kellenccompany.com)

**Comment Deadline: March 29, 2016****ANS (American Nuclear Society)****Revision**

BSR/ANS 15.4-201x, Selection and Training of Personnel for Research Reactors (revision of ANSI/ANS 15.4-2007)

This standard sets the qualification, training, and certification criteria for operations personnel at research reactors and establishes the elements of a program for periodic re-qualification and re-certification. The standard is predicated on levels of responsibility rather than on a particular organizational concept.

Single copy price: \$70.00

Obtain an electronic copy from: [scook@ans.org](mailto:scook@ans.org)

Order from: [scook@ans.org](mailto:scook@ans.org)

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

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

BSR/ASME B18.6.5M-1999 (R2010), Metric Thread Forming and Thread Cutting Tapping Screws (withdrawal of ANSI/ASME B18.6.5M-1999 (R2010))

This Standard covers the complete general, dimensional, and performance requirements for the various types of slotted and recessed head metric tapping screws recognized as standard. Also included are appendices that provide specifications and instructions for protrusion gaging of flat countersunk head screws, across-corners gaging of hex head screws, and penetration and wobble gaging of recessed head screws. The appendices in this Standard also provide clearance hole size and approximate installation hole size recommendations.

Single copy price: \$49.00

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

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Calvin Gomez, (212) 591-7021, [gomezcc@asme.org](mailto:gomezcc@asme.org)

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

BSR/ASME B18.6.7M-1999 (R2010), Metric Machine Screws (withdrawal of ANSI/ASME B18.6.7M-1999 (R2010))

This Standard covers the complete general and dimensional data for metric flat countersunk, oval countersunk and pan slotted and recessed head machine screws, and metric hex and hex flange head machine screws recognized as standard. Also included are appendices that provide specifications and arid instructions for protrusion gaging of flat countersunk head screws, across-corners gaging of hex head screws, and penetration gaging and wobble gaging of recessed head screws, and clearance hole recommendations.

Single copy price: \$43.00

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

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Calvin Gomez, (212) 591-7021, [gomezcc@asme.org](mailto:gomezcc@asme.org)



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

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

BSR/INCITS/ISO/IEC 14882:2014 [201x], Information technology - Programming languages - C++ (identical national adoption of ISO/IEC 14882:2014 and revision of INCITS/ISO/IEC 14882:2014 [2015])

This standard specifies requirements for implementations of the C++ programming language. The first such requirement is that they implement the language, and so this International Standard also defines C++. Other requirements and relaxations of the first requirement appear at various places within this International Standard.

Single copy price: \$265.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

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

### ***New Standard***

BSR/INCITS 507-201x, Information technology - PCIe® architecture Queuing Interface - 2(PQI-2) (new standard)

The SCSI family of standards provides for different transport protocols that define the methods for exchanging information between SCSI devices. This standard defines the transport methods for exchanging information between SCSI devices using a PCI Express interconnect. This standard defines a queuing layer, used by SOP. Other SCSI transport protocol standards define the methods for exchanging information between SCSI devices using other interconnects.

Single copy price: \$60.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

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

### ***New Standard***

BSR/INCITS 537-201x, Information technology - Zoned-device ATA Commands (ZAC) (new standard)

The set of AT Attachment standards consists of this standard and the ATA implementation standards described in AT Attachment - 8 ATA/ATAPI Architecture Model (ATA8-AAM). This standard specifies the command set that host systems use to access storage devices that implement the Host Aware Zones feature set (see 4.3) or the Host Managed Zones feature set (see 4.4). This standard provides a common command set for systems manufacturers, system integrators, software suppliers, and suppliers of storage devices that provide one of the zones feature sets.

Single copy price: \$60.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

## UL (Underwriters Laboratories, Inc.)

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

BSR/UL 60730-1-201X, Automatic Electrical Controls, Part 1: General Requirements (identical national adoption of IEC 60730-1 and revision of ANSI/UL 60730-1-2013a)

Adopt the fifth edition of IEC 60730-1 as the fifth edition of UL 60730-1.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503.

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

# 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.

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## FM (FM Approvals)

**Office:** 1151 Boston-Providence Turnpike  
Norwood, MA 02062

**Contact:** *Josephine Mahnken*

**Phone:** (781) 255-4813

**Fax:** (781) 762-9375

**E-mail:** josephine.mahnken@fmapprovals.com

BSR/FM 6086-201x, Storage Containers for Intermediate Bulk Containers (IBCs) (new standard)

## WCMA (Window Covering Manufacturers Association)

**Office:** 355 Lexington Avenue, 15th Floor  
New York, NY 10017-6603

**Contact:** *Michael Tierney*

**Phone:** (212) 297-2122

**Fax:** (212) 370-9047

**E-mail:** mptierney@snet.net

BSR/WCMA A100.1-201x, Standard for Safety of Corded Window Covering Products (revision of ANSI/WCMA A100.1-2014)

Obtain an electronic copy from: [wcmanet.org](http://wcmanet.org)

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

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

**Contact:** *Rachel Porter*

**Phone:** (202) 626-5741

**Fax:** 202-638-4922

**E-mail:** comments@itic.org

BSR/INCITS 507-201x, Information technology - PCIe® architecture Queuing Interface - 2(PQI-2) (new standard)

Obtain an electronic copy from: <http://webstore.ansi.org/>

BSR/INCITS 537-201x, Information technology - Zoned-device ATA Commands (ZAC) (new standard)

Obtain an electronic copy from: <http://webstore.ansi.org/>

BSR/INCITS/ISO/IEC 14882:2014 [2015], Information technology - Programming languages - C++ (identical national adoption of ISO/IEC 14882:2014 and revision of INCITS/ISO/IEC 14882:2014 [2015])

Obtain an electronic copy from: <http://webstore.ansi.org/>

## NEMA (National Electrical Manufacturers Association)

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

**Contact:** *Michael Leibowitz*

**Phone:** (703) 841-3264

**Fax:** (703) 841-3364

**E-mail:** mik\_leibowitz@nema.org

BSR/MW 1000-201x, Magnet Wire (revision and redesignation of ANSI/NEMA MW 1000-2015)

# 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.

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

### Reaffirmation

ANSI/ASABE S600-2011 (R2016), Manually Handled Collapsible Reusable Plastic Containers for Handling of Fruits and Vegetables (reaffirmation of ANSI/ASABE S600-2011): 1/22/2016

- \* ANSI/ASAE S338.5 MAY2006 (R2016), Field Equipment for Agriculture - Safety Chain for Towed Equipment (reaffirmation of ANSI/ASAE S338.5-2006 (R2011)): 1/22/2016

ANSI/ASAE S390.5 JAN2011 (R2016), Definitions and Classifications of Agricultural Field Equipment (reaffirmation of ANSI/ASAE S390.5-2010): 1/22/2016

## ASME (American Society of Mechanical Engineers)

### Revision

ANSI/ASME PVHO-1-2016, Safety Standard for Pressure Vessels for Human Occupancy (revision of ANSI/ASME PVHO-1-2012): 1/20/2016

## AWWA (American Water Works Association)

### Revision

ANSI/AWWA C215-2016, Extruded Polyolefin Coatings for Steel Water Pipe (revision of ANSI/AWWA C215-2010): 1/22/2016

## HL7 (Health Level Seven)

### New Standard

ANSI/HL7 V3 PA ENCOUNTER, R1-2016, HL7 Version 3 Standard: Patient Administration; Patient Encounter, Release 1 (new standard): 1/22/2016

### Reaffirmation

ANSI/HL7 EHR LTCFP, R1-2010 (R2016), HL7 EHR System Long Term Care Functional Profile, Release 1 - US Realm (reaffirmation of ANSI/HL7 EHR LTCFP, R1-2010): 1/22/2016

## NACE (NACE International, the Corrosion Society)

### New National Adoption

ANSI/NACE MR0103/ISO 17945-2016, Petroleum, petrochemical and natural gas industries - Metallic materials resistant to sulfide stress cracking in corrosive petroleum refining environments (identical national adoption of ISO 17945:2015): 1/20/2016

## NSF (NSF International)

### Revision

- \* ANSI/NSF 61-2016 (i130), Drinking Water System Components - Health effects (revision of ANSI/NSF 61-2015): 1/18/2016

## UL (Underwriters Laboratories, Inc.)

### Reaffirmation

ANSI/UL 779-2011 (R2016), Standard for Safety for Electrically Conductive Floorings (Proposal dated 11-13-15) (reaffirmation of ANSI/UL 779-2011): 1/15/2016

### Revision

ANSI/UL 94-2016, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2015): 1/22/2016

ANSI/UL 486C-2016, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2013): 1/20/2016

ANSI/UL 486A-486B-2016, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2013): 1/20/2016

ANSI/UL 498-2016, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 06-19-15) (revision of ANSI/UL 498-2014a): 1/20/2016

- \* ANSI/UL 498-2016a, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 06-19-15) (revision of ANSI/UL 498-2014a): 1/20/2016

ANSI/UL 773A-2016, Standard for Safety for Nonindustrial Photoelectric Switches for Lighting Controls (revision of ANSI/UL 773A-2006 (R2011)): 1/19/2016

ANSI/UL 773A-2016a, Standard for Safety for Nonindustrial Photoelectric Switches for Lighting Control (revision of ANSI/UL 773A-2006 (R2011)): 1/19/2016

- \* ANSI/UL 1026-2016, Standard for Safety for Electric Household Cooking and Food Serving Appliances (Proposal dated 8/21/15) (revision of ANSI/UL 1026-2015): 1/20/2016

- \* ANSI/UL 1026-2016a, Standard for Safety for Electric Household Cooking and Food Serving Appliances (Proposals dated 11/20/15) (revision of ANSI/UL 1026-2015): 1/20/2016

# 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](http://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.

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

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** *Carla VanGilder*

**Fax:** (269) 429-3852

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

BSR/ASAE S396.3-MONYEAR, Combine Capacity and Performance Test Procedure (revision of ANSI/ASAE S396.2-APR1990 (R2013))

Stakeholders: Combine harvester manufacturers, component and accessory manufacturers, users, testing facilities.

Project Need: Review the clarity of the existing standard. Also review new practices for performing loss testing on combine harvesters to see if they should be a part of the standard. Compare this standard with ISO 8210 to see what information from 8210 should be included in 396.3.

Intended to provide basic requirements for a uniform procedure to measure and report combine capacity, as defined in ANSI/ASAE S343, Terminology for Combines and Grain Harvesting. Because crop conditions are variable and uncontrollable, the procedure provides only for the comparative testing of one combine, or one combine configuration, relative to another, in a particular crop condition. It is also intended to provide the basic requirements for evaluating the uniformity of material spread from harvest residue spreading or chopping device (s). Harvest residue spreaders may be evaluated for spreading either straw or chaff separately or as a system for spreading both together.

## ASME (American Society of Mechanical Engineers)

**Office:** Two Park Avenue  
New York, NY 10016

**Contact:** *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** [ansibox@asme.org](mailto:ansibox@asme.org)

BSR/ASME A112.19.19-2006 (R2011), Vitreous China Nonwater Urinals (revision of ANSI/ASME A112.19.19-2006 (R2011))

Stakeholders: Manufacturers and users of such devices and government agencies regulating the use of such devices.

Project Need: Revise as needed and include definitions, performance, and testing criteria for nonwater urinals with a drain cleansing feature.

This Standard establishes requirements and test methods pertaining to materials, significant dimensions, and functional performance for vitreous china nonwater urinals. The sanitary performance requirements and test procedures apply to all types of nonwater urinals that discharge into gravity waste systems in permanent buildings and structures independent of occupancy.

## AWWA (American Water Works Association)

**Office:** 6666 W. Quincy Ave.  
Denver, CO 80235

**Contact:** *Paul Olson*

**Fax:** (303) 795-7603

**E-mail:** [polson@awwa.org](mailto:polson@awwa.org); [v david@awwa.org](mailto:v david@awwa.org)

BSR/AWWA B404-201x, Liquid Sodium Silicate (revision of ANSI/AWWA B404-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for liquid sodium silicate, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes liquid sodium silicate used in the preparation of activated silica, which is used as a coagulant aid for the treatment of potable water, wastewater, or reclaimed water for (1) the control of corrosion and (2) stabilization of iron and manganese.

BSR/AWWA B406-201x, Ferric Sulfate (revision of ANSI/AWWA B406-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide minimum requirements for ferric sulfate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes dry-form ferric sulfate and liquid ferric sulfate for use in the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B452-201x, EPI-DMA Polyamines (revision of ANSI/AWWA B452-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum general requirements for EPI-DMA polyamine products, including physical, chemical, sampling, packaging, shipping, and testing requirements, and to provide the means of developing requirements for specific EPI-DMA polyamine products.

This standard describes epichlorohydrin dimethylamine (EPI-DMA) polyamines for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA C214-201x, Tape Coatings for Steel Water Pipelines (revision of ANSI/AWWA C214-2013)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum performance requirements for tape coating systems for the exterior of steel water pipelines, including system components, application, inspection, testing, and marking and packaging requirements.

This standard describes the materials and application of tape coating systems in coating plants at fixed sites using coating techniques and equipment as recommended by the tape coating manufacturer.

BSR/AWWA C225-201x, Fused Polyolefin Coatings for Steel Water Pipelines (revision of ANSI/AWWA C225-2013)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum performance requirements for fused polyolefin coating systems for the exterior of steel water pipelines, including system components, application, inspection, testing, and marking and packaging requirements.

This standard describes the materials and application of fused polyolefin coating systems for buried service. This system is applied in pipe coating plants, both portable and fixed, using coating techniques and equipment as recommended by the manufacturer.

BSR/AWWA C228-201x, Stainless-Steel Pipe Flange Joints for Water Service - Sizes 2 In. Through 72 In. (50 mm Through 1,800 mm) (revision of ANSI/AWWA C228-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum material requirements and dimensions for a variety of stainless-steel flanges for attachment to stainless-steel piping systems.

This standard describes stainless-steel ring-type slip-on flanges and blind flanges for use in conjunction with stainless-steel pipe used in facilities of waterworks service.

BSR/AWWA C301-201x, Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C301-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is provide the minimum requirements for manufacturing steel-cylinder-type prestressed concrete pressure pipe.

This standard describes the manufacture of circumferentially prestressed concrete pressure pipe in diameter sizes 16 in. (410 mm) through 144 in. (3,660 mm) manufactured with a steel cylinder and wire reinforcement.

BSR/AWWA C304-201x, Design of Prestressed Concrete Cylinder Pipe (revision of ANSI/AWWA C304-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for the structural design of buried prestressed concrete cylinder pipe (PCCP) under internal pressure.

This standard describes the methods to be used in the structural design of buried prestressed concrete cylinder pipe (PCCP) under internal pressure. These methods are provided for the design of pipe subjected to the effects of working transient, and field-test load and internal pressure combinations.

BSR/AWWA C502-201x, Dry-Barrel Fire Hydrants (revision of ANSI/AWWA C502-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for dry-barrel fire hydrants for fire-protection service, including materials, general design, and testing.

This standard describes post-type, dry-barrel fire hydrants with compression shutoff (opening against or with the pressure) or gate shutoff for use in fire protection service in all climates, including those where freezing occurs.

BSR/AWWA C503-201x, Wet-Barrel Fire Hydrants (revision of ANSI/AWWA C503-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for wet-barrel fire hydrants for fire-protection service, including materials, design, inspection, testing, marking, and shipping requirements. Fire hydrants designed and constructed to the requirements of this standard are intended for fire protection service only. They are not designed or intended as a conveyance of potable water.

This standard pertains to the various types and classes of wet-barrel fire hydrants for use in fire-protection service in areas where the climate is mild and freezing temperatures do not occur.

BSR/AWWA C516-201x, Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 In. (2,000 mm) and Larger (revision of ANSI/AWWA C516-2015)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for large-diameter flanged rubber-seated butterfly valve assemblies, suitable for freshwater and reclaimed water service.

This standard establishes minimum requirements for rubber-seated butterfly valve assemblies that are 78 in. (2,000 mm) diameter and larger with flanged ends suitable for fresh and reclaimed water.

BSR/AWWA C520-201x, Knife Gate Valves, Sizes 2 In. (50 mm) Through 96 In. (2,400 mm) (revision of ANSI/AWWA C520-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for stainless steel and ductile-iron body knife gate valves with resilient and metal seats, including tapping knife gate valves, for use in water, wastewater, and reclaimed water systems, including materials, design, testing, rejection, marking, and shipping.

This standard describes bonneted, bonnetless, cast, and fabricated steel; stainless-steel; and cast ductile-iron body knife gate valves with resilient or metal seats, including tapping knife gate valves, for use in water, wastewater, and reclaimed water systems.

BSR/AWWA C651-201x, Disinfecting Water Mains (revision of ANSI/AWWA C651-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for the disinfection of water mains, including the preparation of water mains, application of chlorine, and sampling and testing for the presence of coliform bacteria.

This standard describes essential procedures for the disinfection of new and repaired potable water mains. New water mains shall be disinfected before that are placed in service. Water mains taken out of service for inspection, repair, or other activities may or may not require disinfection and sampling, depending on the risk of contamination. This standard describes the process for evaluating the risk under different conditions.

BSR/AWWA C800-201x, Underground Service Line Valves and Fittings (revision of ANSI/AWWA C800-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for underground service line valves and fittings, including materials, design, inspection, and delivery.

This standard covers valves, fittings, service saddles, and meter setters for use in a service line from the main through the meter valve or meter-setting appurtenance.

BSR/AWWA C150/A21.50-201x, Thickness Design of Ductile-Iron Pipe (revision of ANSI/AWWA C150-A21.50-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to provide the minimum requirements for the thickness design of ductile-iron pipe, including basis of design and design procedure.

This standard describes the thickness design of ductile-iron pipe complying with the requirements of ANSI/AWWA C151/A21.51, Ductile-Iron Pipe, Centrifugally Cast.

BSR/AWWA G300-201x, Source Water Protection (revision of ANSI/AWWA G300-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to define the minimum program requirements for the protection of source water.

This standard describes the essential elements for the effective protection of source waters.

BSR/AWWA G430-201x, Security Practices for Operation and Management (revision of ANSI/AWWA G430-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to define the minimum requirements for a protective security program for a water, wastewater, or reuse utility that will promote the protection of employee safety, public health, public safety, and public confidence.

This standard covers the minimum requirements for a protective security program for a water, wastewater, or reuse utility.

BSR/AWWA G481-201x, Reclaimed Water Program Operation and Management (revision of ANSI/AWWA G481-2014)

Stakeholders: Drinking water treatment and supply industry; water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The purpose of this standard is to define the critical requirements for the effective operation and management of a reclaimed water program.

This standard describes the critical requirements for the effective operation and management of a reclaimed water program. Reclaimed water, for the purposes of this standard, is treated domestic wastewater that is at all times adequately and reliably treated to the level appropriate for the end use.

**FM (FM Approvals)**

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Norwood, MA 02062

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**Fax:** (781) 762-9375

**E-mail:** josephine.mahnken@fmapprovals.com

BSR/FM 6086-201x, Storage Containers for Intermediate Bulk Containers (IBCs) (new standard)

Stakeholders: Any manufacturing process or facility that uses, stores, or transports bulk ignitable chemicals, solvents, and the like in plastic or composite Intermediate Bulk Containers (IBCs).

Project Need: To reduce the fire hazard created by ignitable liquids contained in plastic or composite Intermediate Bulk Containers (IBCs) that are being used in manufacturing or storage occupancies by significantly limiting the pool size that can potentially be created.

This standard will be aimed at systems and devices that will directly reduce the fire hazard created by ignitable liquids contained in plastic or composite Intermediate Bulk Containers (IBCs) that are being used in manufacturing or storage occupancies by significantly limiting the pool fire that can potentially be created. Plastic and composite IBCs can be prone to failure by being punctured by forklifts and other devices. This creates a large pool of ignitable fluid that can cause an out of control fire if somehow ignited. This scenario can lead to larger fires that are the result of the rapid failure of nearby IBCs even with relatively small fire exposures.

**NETA (InterNational Electrical Testing Association)**

**Office:** 3050 Old Centre  
Suite 102  
Portage, MI 49024

**Contact:** *Kristen Wicks*

**Fax:** (269) 488-3683

**E-mail:** kwicks@netaworld.org

BSR/NETA ATS-201x, ANSI/NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2013)

Stakeholders: BSR/NETA ATS-201x applies to those responsible for the installation and operation of new electrical systems and equipment and guides them in specifying and performing the necessary tests.

Project Need: This project is being initiated in order to assure that this standard reflects current industry standards, best practices, and technologies.

It is the intent of this document to assure that all tested electrical equipment and systems supplied by either contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

# 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](http://www.ansi.org/asd), select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

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

# ANSI-Accredited Standards Developers Contact Information

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

## AAMI

Association for the Advancement of  
Medical Instrumentation  
4301 N. Fairfax Dr., Suite 301  
Arlington, VA 22203  
Phone: (703) 253-8284  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

## ANS

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

## API

American Petroleum Institute  
1220 L Street, NW  
Washington, DC 20005-4070  
Phone: (202) 682-8157  
Web: [www.api.org](http://www.api.org)

## ASABE

American Society of Agricultural and  
Biological Engineers  
2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 932-7015  
Fax: (269) 429-3852  
Web: [www.asabe.org](http://www.asabe.org)

## ASHRAE

American Society of Heating,  
Refrigerating and Air-Conditioning  
Engineers, Inc.  
1791 Tullie Circle  
Atlanta, GA 30329  
Phone: (404) 636-8400  
Fax: (678) 539-2138  
Web: [www.ashrae.org](http://www.ashrae.org)

## ASME

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

## ASSE (Safety)

American Society of Safety Engineers  
520 N. Northwest Highway  
Park Ridge, IL 60068  
Phone: (847) 768-3411  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.org)

## ASTM

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

## AWWA

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

## ECIA

Electronic Components Industry  
Association  
2214 Rock Hill Road  
Suite 265  
Herndon, VA 20170-4212  
Phone: (571) 323-0294  
Fax: (571) 323-0245  
Web: [www.ecianow.org](http://www.ecianow.org)

## FM

FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062  
Phone: (781) 255-4813  
Fax: (781) 762-9375  
Web: [www.fmglobal.com](http://www.fmglobal.com)

## HL7

Health Level Seven  
3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104  
Phone: (734) 677-7777  
Fax: (734) 677-6622  
Web: [www.hl7.org](http://www.hl7.org)

## IESNA

Illuminating Engineering Society of  
North America  
120 Wall St. 17th Floor  
New York, NY 10005  
Phone: (212) 248-5000  
Web: [www.iesna.org](http://www.iesna.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](http://www.incits.org)

## NACE

NACE International, the Corrosion  
Society  
15835 Park Ten Place  
Houston, TX 77084  
Phone: (281) 228-6203  
Fax: (281) 228-6387  
Web: [www.nace.org](http://www.nace.org)

## NEMA (Canvass)

National Electrical Manufacturers  
Association  
1300 North 17th Street  
Suite 900  
Rosslyn, VA 22209  
Phone: (703) 841-3264  
Fax: (703) 841-3364  
Web: [www.nema.org](http://www.nema.org)

## NETA

InterNational Electrical Testing  
Association  
3050 Old Centre  
Suite 102  
Portage, MI 49024  
Phone: (269) 488-6382  
Fax: (269) 488-3683  
Web: [www.netaworld.org](http://www.netaworld.org)

## NFSI

National Floor Safety Institute  
P.O. Box 92607  
Southlake, TX 76092  
Phone: (817) 749-1700  
Fax: (817) 749-1702  
Web: [www.nfsi.org](http://www.nfsi.org)

## NSF

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-5643  
Web: [www.nsf.org](http://www.nsf.org)

## PRCA

Professional Ropes Course Association  
6260 East Riverside Boulevard #104  
Rockford, IL 61114  
Phone: (815) 986-7776  
Fax: (815) 637-2964  
Web: [www.prcainfo.org](http://www.prcainfo.org)

## PSAI

Portable Sanitation Association  
International  
2626 E. 82nd Street  
Suite 175  
Bloomington, IN 55425  
Phone: (952) 854-8300  
Web: [www.pesai.org](http://www.pesai.org)

## UL

Underwriters Laboratories, Inc.  
12 Laboratory Drive  
Research Triangle Park, NC 27709  
-3995  
Phone: (919) 549-1851  
Web: [www.ul.com](http://www.ul.com)

## VC (ASC Z80)

The Vision Council  
225 Reinekers Lane  
Suite 700  
Alexandria, VA 22314  
Phone: (703) 740-1094  
Fax: (703) 548-4580  
Web: [www.z80asc.com](http://www.z80asc.com)

## WCMA

Window Covering Manufacturers  
Association  
355 Lexington Avenue, 15th Floor  
New York, NY 10017-6603  
Phone: (212) 297-2122  
Fax: (212) 370-9047  
Web: [www.wcmanet.org](http://www.wcmanet.org)





# 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

### **ADDITIVE MANUFACTURING (TC 261)**

ISO/ASTM DIS 52903-1, Additive Manufacturing - Standard Specification for Material Extrusion Based Additive Manufacturing of Plastic Materials - Part 1: Feedstock materials - 2/18/2016, \$40.00

### **AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO/DIS 21872, Microbiology of the food chain - Horizontal method for the detection of potentially enteropathogenic *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus* - 4/18/2016, \$102.00

### **AIR QUALITY (TC 146)**

ISO/DIS 18466, Stationary source emissions - Determination of the biogenic fraction in CO<sub>2</sub> in stack gas using the balance method - 2/21/2016, \$93.00

### **AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/DIS 16192, Space systems - Experience gained in space projects (Lessons learned) - Principles and guidelines - 4/19/2016

### **ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)**

ISO/DIS 19223, Lung ventilators and related equipment - Vocabulary and semantics - 4/19/2016, \$175.00

IEC/DIS 80601-2-30, Medical electrical equipment - Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers, \$119.00

### **COSMETICS (TC 217)**

ISO/DIS 29621, Cosmetics - Microbiology - Guidelines for the risk assessment and identification of microbiologically low-risk products - 4/25/2016, \$58.00

### **DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)**

ISO/DIS 5459, Geometrical product specifications (GPS) - Geometrical tolerancing - Datums and datum systems - 4/25/2016, \$155.00

### **EARTH-MOVING MACHINERY (TC 127)**

ISO/DIS 20474-1, Earth-moving machinery - Safety - Part 1: General requirements - 4/22/2016, \$107.00

ISO/DIS 20474-2, Earth-moving machinery - Safety - Part 2: Requirements for dozers - 4/22/2016, \$40.00

ISO/DIS 20474-3, Earth-moving machinery - Safety - Part 3: Requirements for loaders - 4/22/2016, \$62.00

ISO/DIS 20474-4, Earth-moving machinery - Safety - Part 4: Requirements for backhoe loaders - 4/22/2016, \$77.00

ISO/DIS 20474-5, Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators - 4/22/2016, \$71.00

ISO/DIS 20474-6, Earth-moving machinery - Safety - Part 6: Requirements for dumpers - 4/22/2016, \$53.00

ISO/DIS 20474-7, Earth-moving machinery - Safety - Part 7: Requirements for scrapers - 4/22/2016, \$46.00

ISO/DIS 20474-8, Earth-moving machinery - Safety - Part 8: Requirements for graders - 4/22/2016, \$40.00

ISO/DIS 20474-9, Earth-moving machinery - Safety - Part 9: Requirements for pipelayers - 4/22/2016, \$53.00

ISO/DIS 20474-10, Earth-moving machinery - Safety - Part 10: Requirements for trenchers - 4/22/2016, \$46.00

ISO/DIS 20474-11, Earth-moving machinery - Safety - Part 11: Requirements for landfill compactors - 4/22/2016, \$46.00

ISO/DIS 20474-12, Earth-moving machinery - Safety - Part 12: Requirements for cable excavators - 4/22/2016, \$67.00

ISO/DIS 20474-13, Earth-moving machinery - Safety - Part 13: Requirements for rollers - 4/22/2016, \$82.00

### **ERGONOMICS (TC 159)**

ISO/DIS 9241-333, Ergonomics of human-system interaction - Part 333: Stereoscopic displays using glasses - 4/18/2016, \$102.00

**FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)**

ISO/DIS 18468, Epoxy coating of ductile iron fittings, valves and accessories - 4/30/2016

**GAS CYLINDERS (TC 58)**

ISO/DIS 13769, Gas cylinders - Stamp marking - 4/30/2016, FREE

ISO/DIS 11363-1, Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 1: Specifications - 4/25/2016, \$53.00

ISO/DIS 11363-2, Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 2: Inspection gauges - 4/25/2016, \$71.00

**GRAPHIC TECHNOLOGY (TC 130)**

ISO/DIS 12647-7, Graphic technology - Process control for the production of halftone colour separations, proof and production prints - Part 7: Proofing processes working directly from digital data - 2/21/2016, \$88.00

**GRAPHICAL SYMBOLS (TC 145)**

ISO 7010/DAMd187, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign W041: Warning; Asphyxiating atmosphere - 2/12/2016, \$29.00

**INDUSTRIAL TRUCKS (TC 110)**

ISO/DIS 20297-1, Industrial trucks - Lorry-mounted trucks - Part 1: Safety requirements and verification - 2/20/2016, \$107.00

**INTERNAL COMBUSTION ENGINES (TC 70)**

ISO/DIS 4548-12, Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 12: Filtration efficiency using particle counting, and contaminant retention capacity - 2/20/2016, \$98.00

**MACHINE TOOLS (TC 39)**

ISO/DIS 14955-2, Machine tools - Environmental evaluation of machine tools - Part 2: Methods for measuring energy supplied to machine tools and machine tool components - 4/24/2016

**NICKEL AND NICKEL ALLOYS (TC 155)**

ISO/DIS 9725, Nickel and nickel alloy forgings - 4/16/2016, \$67.00

**NON-DESTRUCTIVE TESTING (TC 135)**

ISO/DIS 20669, Non-destructive testing - Pulsed Eddy current testing of ferromagnetic material components - 2/12/2016, \$67.00

ISO/DIS 16371-2, Non-destructive testing - Industrial computed radiography with storage phosphor imaging plates - Part 2: General principles for testing of metallic materials using X-rays and gamma rays - 4/25/2016, \$102.00

**OPTICS AND OPTICAL INSTRUMENTS (TC 172)**

ISO 15798/DAMd1, Ophthalmic implants - Ophthalmic viscosurgical devices - Amendment 1 - 4/17/2016, \$29.00

ISO/DIS 9344, Microscopes - Graticules for eyepieces - 2/21/2016, \$33.00

ISO/DIS 21987, Ophthalmic optics - Mounted spectacle lenses - 4/24/2016, \$82.00

ISO/DIS 8980-1, Ophthalmic optics - Uncut finished spectacle lenses - Part 1: Specifications for single-vision and multifocal lenses - 4/25/2016, \$53.00

ISO/DIS 8980-2, Ophthalmic optics - Uncut finished spectacle lenses - Part 2: Specifications for power-variation lenses - 4/25/2016, \$53.00

ISO/DIS 11979-8, Ophthalmic implants - Intraocular lenses - Part 8: Fundamental requirements - 4/18/2016, \$46.00

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

ISO/DIS 18640-1, Protective clothing for fire-fighters - Physiological impact - Part 1: Measurement of coupled heat and mass transfer with the sweating torso - 4/22/2016, \$88.00

ISO/DIS 18640-2, Protective clothing for fire-fighters- physiological impact - Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters - 4/22/2016, \$82.00

**PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)**

ISO/DIS 6246, Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method - 4/17/2016, \$58.00

ISO/DIS 4259-1, Petroleum products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test - 2/14/2016, \$134.00

ISO/DIS 4259-2, Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test - 2/14/2016, \$77.00

**PLASTICS (TC 61)**

ISO/DIS 12992, Plastics - Vertical flame spread determination for film and sheet - 4/17/2016, \$58.00

**PROJECT COMMITTEE: ENERGY MANAGEMENT (TC 242)**

ISO/DIS 50007, Activities relating to energy services - Guidelines for the assessment and improvement of the service to users - 2/18/2016

**ROAD VEHICLES (TC 22)**

ISO/DIS 19724, Gasoline engines with direct injection - Cleanliness assessment of fuel injection equipment - 2/20/2016, \$33.00

ISO/DIS 22241-1, Diesel engines - NOx reduction agent AUS 32 - Part 1: Quality requirements - 1/14/2016, \$40.00

ISO/DIS 22241-3, Diesel engines - NOx reduction agent AUS 32 - Part 3: Handling, transportation and storing - 1/14/2016, \$53.00

**ROLLING BEARINGS (TC 4)**

ISO/DIS 15243, Rolling bearings - Damage and failures - Terms, characteristics and causes - 2/13/2016, \$125.00

**RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO/DIS 2007, Rubber, unvulcanized - Determination of plasticity - Rapid-plastimeter method - 4/24/2016

ISO/DIS 4649, Rubber - Determination of abrasion resistance using a rotating cylindrical drum device - 4/24/2016, \$82.00

ISO/DIS 6179, Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique) - 4/25/2016, \$53.00

ISO/DIS 20163, Vulcanized rubber - Determination of free sulfur by gas chromatography (GC) and high performance liquid chromatography (HPLC) - 4/24/2016

#### **SCREW THREADS (TC 1)**

ISO/DIS 2901, ISO metric trapezoidal screw threads - Basic and design profiles - 2/13/2016, \$62.00

ISO/DIS 2902, ISO metric trapezoidal screw threads - General plan - 2/13/2016, \$33.00

ISO/DIS 2903, ISO metric trapezoidal screw threads - Tolerances - 2/13/2016, \$62.00

#### **SOLID BIOFUELS (TC 238)**

ISO/DIS 18135, Solid Biofuels - Sampling - 2/14/2016, \$134.00

ISO/DIS 19743, Solid biofuels - Determination of content of heavy extraneous materials large than 3,15 mm - 4/24/2016, \$33.00

ISO/DIS 17225-8, Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels - 2/14/2016, \$62.00

#### **TEXTILES (TC 38)**

ISO/DIS 21340, Test methods for fibrous activated carbon - 4/24/2016, \$102.00

#### **TIMBER STRUCTURES (TC 165)**

ISO/DIS 8375, Timber structures - Glued laminated timber - Test methods for determination of physical and mechanical properties - 4/16/2016, \$82.00

#### **TRADITIONAL CHINESE MEDICINE (TC 249)**

ISO/DIS 19824, Traditional chinese medicine - Schisandra chinensis (Turcz.) baill seeds and seedlings - 4/17/2016, \$58.00

ISO/DIS 20408, Traditional chinese medicine - Panax notoginseng seeds and seedlings - 4/16/2016, \$58.00

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

ISO 12813/DAmD1, Electronic fee collection - Compliance check communication for autonomous systems - Amendment 1 - 4/18/2016, \$40.00

ISO/DIS 14827-3, Transport Information and control systems - Data interfaces between centres for transport information and control systems - Part 3: Data interfaces between centres for Intelligent Transport Systems (ITS) using XML - 2/12/2016, \$107.00

ISO/DIS 15638-9, Intelligent transport systems - Framework for cooperative Telematics Applications for Regulated commercial freight Vehicles (TARV) - Part 9: Remote electronic tachograph monitoring (RTM) - 4/24/2016, \$165.00

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

ISO/DIS 16392, Tyres - Electrical resistance - Test method for measuring electrical resistance of tyres on a test rig - 2/19/2016, \$53.00

#### **WATER QUALITY (TC 147)**

ISO/DIS 13843, Water quality - Requirements for establishing performance characteristics of quantitative microbiological methods - 4/24/2016

#### **WELDING AND ALLIED PROCESSES (TC 44)**

ISO/DIS 3580, Welding consumables - Covered electrodes for manual metal arc welding of creep resisting steels - 4/24/2016, \$88.00

ISO/DIS 17633, Welding consumables - Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels - Classification - 2/21/2016, \$107.00

ISO/DIS 17640, Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment - 4/18/2016, \$98.00

ISO/DIS 9455-13, Soft soldering fluxes - Test methods - Part 13: Determination of flux spattering - 4/25/2016, \$33.00

#### **ISO/IEC JTC 1, Information Technology**

ISO/IEC 15693-3/DAmD4, Identification cards - Contactless integrated circuit cards - Vicinity cards - Part 3: Anticollision and transmission protocol - Amendment 4: Security framework - 4/16/2016, \$93.00

ISO/IEC 18013-4/DAmD1, Information technology - Personal identification - ISO-compliant driving licence - Part 4: Test methods - Amendment 1: Extended access control v1 & pace - 4/24/2016, FREE

ISO/IEC 23008-3/DAmD3, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 3: MPEG-H 3D Audio Phase 2 - 2/20/2016, \$258.00

ISO/IEC DIS 23005-7, Information technology - Media context and control - Part 7: Conformance and reference software - 2/21/2016, \$112.00

ISO/IEC DIS 23009-5, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) - 2/20/2016, \$119.00

ISO/IEC/IEEE DIS 26513, Systems and software engineering - Requirements for testers and reviewers of user documentation - 4/22/2016, \$107.00

#### **IEC Standards**

14/845/CD, IEC/IEEE 60076-57-15: Power transformers - Part 57-16: Transformers for wind turbine applications, 04/08/2016

23B/1202/CD, IEC 60884-2-5 Ed.2: Plugs and socket-outlets for household and similar purposes - Part 2: Particular requirements for adaptors, 03/11/2016

23G/357/CD, IEC 60320-2-4 Ed.2: Appliance couplers for household and similar general purposes - Part 2-4: Couplers dependent on appliance weight for engagement, 04/08/2016

23G/358/CD, IEC 60320-2-1 Ed.3: Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers, 04/08/2016

23G/359/CD, IEC 60320-2-3 Ed.2: Appliance couplers for household and similar general purposes - Part 2-3: Appliance couplers with a degree of protection higher than IPX0, 04/08/2016

23G/360/CD, IEC 60799 Ed.3: Electrical accessories - Cord sets and interconnection cord sets, 04/08/2016

25/561/CDV, ISO 80000-5 Ed2: Quantities and units - Part 5: Thermodynamics, 04/08/2016

26/585A/NP, PNW 26-585: Arc welding equipment - Part 15: Stud welding, 04/01/2016

- 29/897/DTS, IEC 62886: Electroacoustics - Hearing aids - Method for measuring electroacoustic performance up to 16 kHz, 04/08/2016
- 34C/1185/CD, Amendment 1 to IEC 61347-2-11 Ed.1: Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, 04/08/2016
- 40/2446/FDIS, IEC 60384-14-2 Ed.2: Fixed capacitors for use in electronic equipment - Part 14-2: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Safety tests only, 02/26/2016
- 46F/338/CD, IEC 60153-4 ed 2.0: Hollow Metallic Waveguides - Part 4: Relevant specifications for circular waveguides, 04/08/2016
- 47/2272/CD, IEC 62969-1 Ed.1: Semiconductor devices - Semiconductor interface for automotive vehicles - Part 1: General requirements of power interface for automotive vehicle sensors, 03/11/2016
- 47/2273/CD, IEC 62969-2 Ed.1: Semiconductor devices - Semiconductor interface for automotive vehicles - Part 2: Efficiency evaluation methods of wireless power transmission using resonance for automotive vehicles sensors, 03/11/2016
- 47/2274/CD, IEC 62969-3 Ed.1: Semiconductor devices - Semiconductor interface for automotive vehicles - Part 3: Shock driven piezoelectric energy harvesting for automotive vehicle sensors, 03/11/2016
- 47/2275/CD, IEC 62969-4 Ed.1: Semiconductor devices - Semiconductor interface for automotive vehicles - Part 4: Evaluation method of data interface for automotive vehicle sensors, 03/11/2016
- 47F/230A/CDV, IEC 62047-27 Ed.1: Semiconductor devices - Micro-electromechanical devices - Part 27: Bond strength test for glass frit bonded structures using micro-chevron-tests (MCT), 02/19/2016
- 48B/2474/NP, IEC 61076-2-XXX/Ed1: Connectors for electronic equipment - Product requirements - Part 2-xxx: Circular connectors - Detail specification for push-pull connectors based on M12 connector interfaces according to IEC 61076-2-1xx, 04/08/2016
- 49/1180/CD, Amendment 1 to IEC 60122-1 Ed.3: Quartz crystal units of assessed quality - Part 1: Generic specification, 04/08/2016
- 56/1662/CD, IEC/ISO 31010/Ed2: Risk management- Risk assessment techniques, 04/08/2016
- 57/1644/CDV, IEC 61850-7-4 A1 Ed.2: Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes, 04/15/2016
- 57/1655/CD, IEC 61850-7-420 Ed. 2.0: Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources logical nodes, 04/08/2016
- 57/1658/DC, Draft IEC TR 61850-7-520 Ed.1.0: Communication networks and systems for power utility automation - Part 7-520: Basic communication structure - Distributed energy resources modelling concepts and guidelines, 04/08/2014
- 65C/827A/CDV, IEC 62657-1 Ed1.0: Industrial communication networks - Wireless communication networks - Part 1: Wireless communication requirements and spectrum considerations, 03/25/2016
- 66/583/CDV, IEC 61010-2-030 Ed.2: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits, 04/15/2016
- 66/584/CDV, IEC 61010-2-034 Ed.1: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength test, 04/15/2016
- 78/1138/CDV, IEC 60900: Live Working - Hand tools for use up to 1 000 V a.c. and 1 500 V d.c., 04/15/2016
- 82/1062/CD, IEC/TS 60904-13 Ed.1.0: Photovoltaic devices - Part 13: Electroluminescence of photovoltaic modules, 04/08/2016
- 82/1066/CD, IEC 61853-3 Ed.1.0: Photovoltaic (PV) module performance testing and energy rating - Part 3: Energy rating of PV modules, 04/08/2016
- 82/1067/CD, IEC 61853-4 Ed.1.0: Photovoltaic (PV) module performance testing and energy rating - Part 4: Standard reference climatic profiles, 04/08/2016
- 100/2597F/CDV, IEC 63035 Ed1: Specification MIDI (MUSICAL INSTRUMENT DIGITAL INTERFACE) 1.0 (Edition abrégée, 2015), 04/08/2016
- 100/2604/CDV, IEC 62827-3 Ed. 1.0: Wireless Power Transfer - Management - Part 1: Multiple sources control management (TA15), 04/15/2016
- 100/2631/CD, IEC 60728-13-1 Ed 2.0: Cable networks for television signals, sound signals and interactive services - Part 13-1: Bandwidth expansion for broadcast signal over FTTH system (TA 5), 04/08/2016
- 104/673/CD, IEC 60721-3-1 Ed.3: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 1: Storage, 04/08/2016
- 109/138/CDV, IEC 60664-3 Ed.3: Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution, 04/15/2016
- 110/731A/FDIS, IEC 62595-2-1 Ed.2: Display lighting unit - Part 2-1: Electro-optical measuring methods of LED backlight unit, 02/19/2016
- 110/732/Q, Withdrawal of IEC/TR 62977-3-2: Electronic display devices - Part 3-2: Evaluation of optical characteristics - Mura, 03/11/2016
- 110/733/NP, Future IEC 62715-6-3 Ed.1.0: Flexible displays - Part 6-3: Robustness Test Methods, 04/08/2016
- 113/298/DC, PWI 113-87: IEC TS 62607-4-6: Nanomanufacturing - Key control characteristics - Part 4-6: Nano-enabled electrical energy storage devices - Determination of carbon content in cathode nanomaterials using IR spectrometry, 03/11/2016
- 113/299/DC, PWI 113-88: IEC TS 62607-4-7: Nanomanufacturing - Key control characteristics - Part 4-7: Nano-enabled electrical energy storage devices - Determination of the content of magnetic impurities in anode nanomaterials using ICP-OES, 03/11/2016
- 114/179/DTS, IEC TS 62600-102: Marine energy - Wave, tidal and other water current converters - Part 102: Wave energy converter power performance assessment at a second location using measured assessment data, 04/08/2016
- 8/1418/NP, Future IEC/TS 6XXXX Maintenance of installations and equipment of electrical energy supply networks - Part 1: System aspects and procedures - Part 2: Condition assessment of equipment and installations, 04/15/2016
- 13/1669/CD, Test equipment, techniques and procedures for electrical energy meters - Part 1: Stationary Meter Test Units (MTU), 04/15/2016

- 14/846/FDIS, IEC 60076-10 Ed.2: Power transformers - Part 10: Determination of sound levels, 03/04/2016
- 14/847/FDIS, IEC 60076-10-1 Ed.2: Power transformers - Part 10-1: Determination of sound levels - Application guide, 03/04/2016
- 14/848/NP, Power transformers - Part X: Voltage Regulating Distribution Transformers (VRDT), 04/15/2016
- 20/1606/CDV, Amendment 1 to IEC 60811-201: Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 04/22/2016
- 20/1607/CDV, Amendment 1 to IEC 60811-202: Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 04/22/2016
- 20/1608/CDV, Amendment 1 to IEC 60811-511: Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene and polypropylene compounds, 04/22/2016
- 20/1609/CDV, Amendment 1 to IEC 60811-401: Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven, 04/22/2016
- 20/1610/CDV, Amendment 1 to IEC 60811-410: Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors, 04/22/2016
- 20/1611/CDV, Amendment 1 to IEC 60811-509: Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test), 04/22/2016
- 20/1612/CDV, Amendment 1 to IEC 60811-508: Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 04/22/2016
- 23B/1202A/CD, IEC 60884-2-5 Ed.2: Plugs and socket-outlets for household and similar purposes - Part 2: Particular requirements for adaptors, 03/11/2016
- 31/1238/NP, Future IEC 60079-X/TS/Ed1: Explosive atmospheres - Part X: Electrical safety devices for equipment, 04/15/2016
- 34C/1189/CD, IEC 62386-207 Ed.2: Digital addressable lighting interface - Part 207: Particular requirements for control gear - LED modules (device type 6), 04/15/2016
- 34D/1190/CDV, IEC 60598-2-4 Ed.3: Luminaires - Part 2: Particular requirements - Section 4: Portable general purpose luminaires, 04/22/2016
- 34D/1191/CDV, IEC 60598-2-17 Ed.2: Luminaires - Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor), 04/22/2016
- 34D/1193/CDV, Amendment 1 to IEC 60598-1 Ed.8: Luminaires - Part 1: General requirements and tests, 04/22/2016
- 46A/1297/FDIS, IEC 61196-1-215: Coaxial communication cables - Part 1- 215: Environmental test methods - High Temperature Cable Ageing, 03/04/2016
- 46A/1298/FDIS, IEC 61196-1-209: Coaxial communication cables - Part 1- 209: Environmental test methods - Thermal cycling, 03/04/2016
- 46C/1034/CD, IEC 62783-2 Ed. 1.0: Twinax Cables for Digital Communications - Part 2: Twinax Cables for Digital Communications - Part 2: Cable for Ethernet-over-Twinax Physical Interfaces, 04/15/2016
- 46C/1035/CD, IEC 62783-1 Ed. 1.0: Twinax Cables for Digital Communications - Part 1: Family Specification, 04/15/2016
- 46F/339/CD, IEC 60154-4 ed 2.0: Relevant Specifications for Flanges for Circular Waveguides, 04/15/2016
- 48B/2477/NP, IEC 61076-2-XXX/Ed1: Connectors for electronic equipment - Product requirements - Part 2-xxx: Circular connectors - Detail specification for connectors with B12 bayonet-locking, for signal and data transmission with frequencies up to 500 MHz, 04/15/2016
- 49/1181/CD, IEC 62884-3 Ed.1: Measurement techniques of piezoelectric, dielectric and electrostatic oscillators - Part 3: Frequency aging test methods, 04/15/2016
- 49/1182/CD, IEC 62884-4 Ed.1: Measurement techniques of piezoelectric, dielectric and electrostatic oscillators - Part 4: Short-term frequency stability test methods, 04/15/2016
- 55/1569/CDV, IEC 60317-67/Ed 1: Specifications for particular types of winding wires - Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105, 04/22/2016
- 55/1570/CDV, IEC 60317-68/Ed 1: Specifications for particular types of winding wires - Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120, 04/22/2016
- 55/1571/CDV, IEC 60317-69/Ed 1: Specifications for particular types of winding wires - Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220, 04/22/2016
- 56/1665/CD, IEC 62853/Ed1: Open Systems Dependability, 04/15/2016
- 61/5048A/CDV, IEC 60335-2-30-A1/Ed5: Household and similar electrical appliances - Safety - Part 2-30:Particular requirements for room heaters, 03/04/2016
- 61/5109/FDIS, IEC 60335-2-15-A1/Ed6: Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids, 03/04/2016
- 62D/1320/DTR, ISO TR 13154: Medical electrical equipment - Deployment, implementation and operational guidelines for identifying febrile humans using a screening thermograph, 03/18/2016
- 62D/1321/CD, IEC 60601-2-76: Medical Electrical Equipment - Part 2 -76: Particular requirements for the basic safety and essential performance of low energy ionized gas coagulation equipment, 04/15/2016
- 64/2085/CDV, Amendment 2 to IEC 60364-5-55: Electrical installations of buildings - Part 5-55: Selection and erection of electrical equipment - Other equipment, 04/22/2016
- 66/585/CDV, Amendment 1 to IEC 61010-1 Ed.3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements, 04/22/2016
- 68/523/CDV, IEC 60404-10 Ed.2: Magnetic materials - Part 10: Methods of measurement of magnetic properties of electrical steel sheet strip and sheet at medium frequencies, 04/22/2016
- 80/781/CDV, IEC 62940 Ed.1: Maritime navigation and radiocommunication equipment and systems - Integrated communication system (ICS) - Operational and performance requirements, methods of testing and required test results, 04/22/2016
- 82/1069/DTS, IEC 61724-3 TS Ed.1: Photovoltaic system performance - Part 3: Energy evaluation method, 04/15/2016

- 100/2608/CDV, IEC 62394/Ed.3: Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET(TA8), 04/22/2016
- 100/2639/NP, Multimedia Vibration Audio Systems - Method of measurement for audio characteristics of audio actuator by pinna-conduction (TC 100), 04/15/2016
- 104/668/CDV, IEC 60068-2-18 Ed.3: Environmental testing - Part 2 -18: Tests - Test R and guidance: Water, 04/22/2016
- 108/639/CD, IEC 62368-3/Ed1: Audio/video, information and communication technology equipment - Safety - Part 3: Remote power feeding, 04/15/2016
- 113/302/DC, PWI 113-89: IEC/TS 62607-3-3: Nanomanufacturing - Key control characteristics - Luminescent nanomaterials - Determination of fluorescence lifetime, 03/18/2016
- 121A/71/FDIS, IEC 60947-2 Ed.5: Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, 03/04/2016
- CIS/A/1145/CD, Amendment 2 to CISPR 16-4-2 (f2): Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty, 04/15/2016



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 15440:2016](#), Information technology - Future keyboards and other input devices and entry methods, \$149.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19119:2016](#), Geographic information - Services, \$265.00

### IRON ORES (TC 102)

[ISO 15968:2016](#), Direct reduced iron - Determination of apparent density and water absorption of hot briquetted iron (HBI), \$88.00

### NUCLEAR ENERGY (TC 85)

[ISO 7503-1:2016](#), Measurement of radioactivity - Measurement and evaluation of surface contamination - Part 1: General principles, \$149.00

[ISO 7503-2:2016](#), Measurement of radioactivity - Measurement and evaluation of surface contamination - Part 2: Test method using wipe-test samples, \$149.00

[ISO 7503-3:2016](#), Measurement of radioactivity - Measurement and evaluation of surface contamination - Part 3: Apparatus calibration, \$240.00

### PAPER, BOARD AND PULPS (TC 6)

[ISO 11093-5:2016](#), Paper and board - Testing of cores - Part 5: Determination of characteristics of concentric rotation, \$51.00

### TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

[ISO 19029:2016](#), Accessible design - Auditory guiding signals in public facilities, \$51.00

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

[ISO 17575-1:2016](#), Electronic fee collection - Application interface definition for autonomous systems - Part 1: Charging, \$200.00

[ISO 17575-2:2016](#), Electronic fee collection - Application interface definition for autonomous systems - Part 2: Communication and connection to the lower layers, \$173.00

[ISO 17575-3:2016](#), Electronic fee collection - Application interface definition for autonomous systems - Part 3: Context data, \$265.00

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

[ISO 17464:2016](#), Pneumatic tubes for automotive vehicles - Technical requirements and test methods, \$88.00

## ISO Technical Specifications

### PACKAGING (TC 122)

[ISO/TS 19709-2:2016](#), Transport packaging - Small load container systems - Part 2: Column Stackable System (CSS), \$123.00

### PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO/TS 17306:2016](#), Petroleum products - Biodiesel - Determination of free and total glycerin and mono-, di- and triacylglycerols by gas chromatography, \$149.00

[ISO/TS 17307:2016](#), Petroleum products - Biodiesel - Determination of total esters content by gas chromatography, \$88.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 30130:2016](#), Software engineering - Capabilities of software testing tools, \$173.00

[ISO/IEC 13249-3:2016](#), Information technology - Database languages - SQL multimedia and application packages - Part 3: Spatial, \$265.00

[ISO/IEC TS 19571:2016](#), Programming Languages - Technical specification for C++ extensions for concurrency, \$149.00

## IEC Standards

### ELECTRICAL ACCESSORIES (TC 23)

[IEC 60320-1 Ed. 3.0 en cor.1:2016](#), Corrigendum 1 - Appliance couplers for household and similar general purposes - Part 1: General requirements

### LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62532 Ed. 1.1 b:2016](#), Fluorescent induction lamps - Safety specifications, \$230.00

[IEC 62532 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Fluorescent induction lamps - Safety specifications, \$17.00

# 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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).



# Information Concerning

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## 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 rely 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**

- o "Minor" an SDO or Consortia 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 [jgarner@itic.org](mailto:jgarner@itic.org). Visit [www.INCITS.org](http://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 ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

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

### Withdrawal of ANSI/API Standard

#### ANSI/API Recommended Practice 10B-3, First Edition, July 2004 (Reaffirmed, April 2015), Recommended Practice on Testing of Deepwater Well Cement Formulations

The ANSI/API standard has been superseded by the second edition API standard that has not been processed as an ANS. Since the ANS is no longer being supported by API, API has withdrawn the standard in accordance with 4.2.1.3.2 of the ANSI Essential Requirements. Questions: Ben Coco, API, 1220 L Street, NW, Washington, DC 20005; 202-682-8056; [cocob@api.org](mailto:cocob@api.org); [www.api.org](http://www.api.org).

## ANSI Accredited Standards Developers

### Approval of Accreditation as an ANSI ASD

#### Crane Power Line Safety Organization (CPLSO)

ANSI's Executive Standards Council has approved the Crane Power Line Safety Organization (CPLSO), a new ANSI Member in 2015, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on CPLSO-sponsored American National Standards, effective January 27, 2016. For additional information, please contact: Dr. Hugh Pratt, Secretary, Crane Power Line Safety Organization, The Marchioness Building, Commercial Road, Bristol BS1 6TG United Kingdom; phone: +44 7879692989; e-mail: [pratt.hugh@cplso.org](mailto:pratt.hugh@cplso.org).

### Approval of Reaccreditation

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

The reaccreditation of the American Society of Agricultural and Biological Engineers (ASABE), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under ASABE's recently revised operating procedures for documenting consensus on ASABE-sponsored American National Standards, effective January 27, 2016. For additional information, please contact: Mr. Travis Tsunemori, Staff Engineer, American Society of Agricultural and Biological Engineers, 2950 Niles Road, St. Joseph, MI 49085-9659; phone: 269.932.7009; e-mail: [travist@asabe.org](mailto:travist@asabe.org).

#### ASC B109 – Gas Displacement Meters

The reaccreditation of Accredited Standards Committee B109, Gas Displacement Meters has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on ASC B109-sponsored American National Standards, effective January 27, 2016. For additional information, please contact the Secretariat of ASC B109: Mr. Michael Stablein, Operations & Engineering Services Specialist, American Gas Association, 400 North Capitol Street, Washington, DC 20001; phone: 202.824.7058; e-mail: [MStablein@aga.org](mailto:MStablein@aga.org).

## U.S. Technical Advisory Groups

### Approval of TAG Accreditation

#### U.S. TAG to ISO TC 298 – Rare Earth

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 298, Rare earth under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities (Annex A of the ANSI International Procedures) and with CSA Standards serving as TAG Administrator, effective January 22, 2016. For additional information, please contact: Mr. Brent Hartman, Program Manager, CSA Group, 8501 E. Pleasant Valley Road, Cleveland, OH 44131; phone: 216.524.4990; e-mail: [brent.hartman@csagroup.org](mailto:brent.hartman@csagroup.org).

## Meeting Notice

### GBI 01-201x Meeting Rescheduled

The previously published eleventh meeting of the Green Building Initiative – GBI 01-201x Consensus Body has been rescheduled to include an additional conference call and webinar:

Part I: Thursday, February 18th from 11:00 AM ET to 2:00 PM ET in addition to the already scheduled conference call and webinar (Part II: Friday, February 19th 11:00 AM ET to 2:00 PM ET).

The twelfth meeting of the Green Building Initiative – GBI 01-201x Consensus Body will be held via conference call and webinar:

Wednesday, March 2, 2016 from 1:00 PM ET to 4:00 PM ET.

The purpose for these teleconferences is for the Consensus Body members to review Subcommittees' 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](mailto:Maria@thegbi.org)



## Flare Details for Petroleum, Petrochemical and Natural Gas Industries

Proposed ANSI/API STANDARD 537, THIRD EDITION,

Proposed Change:

### 4.7 Pilots

4.7.1 There are numerous pilot designs available from which to select the most appropriate for the application. Although design alternatives exist, the following are the functional requirements that shall be met.

a) through n), no changes.

o) The pilot ignition and detection systems shall be ~~designed to operate and properly perform as a minimum for the service life of the flare tip~~ selected with consideration of the intended maintenance intervals of the pilots.

p) No changes.

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

## ANSI/WSC Standard for Pressurized Water Storage Tank

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### **6 Minimum construction performance design method criteria**

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**6.1.3** For steel tanks, the hydrostatic pressure shall gradually be increased until the required test pressure is ~~reached~~ achieved. It shall be held for 15 minutes. There shall be no sign of external leakage.

**6.1.4** For composite tanks, a cyclic pressure test shall be performed in accordance with 5.2.5.2. The acceptance criteria shall be 33,000 cycles without leakage. After the cyclic pressure test, a hydrostatic pressure test shall be performed. The hydrostatic test pressure in the test vessel shall be increased at a rate not exceeding 20 psig/sec (140 kPa/sec) until the required hydrostatic test pressure is achieved. The test vessel shall be located between the pressure source and the pressure measurement device, and the test pressure shall be held at the required hydrostatic test pressure for 5 seconds. There shall be no sign of external leakage.

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## Proposed Revision to ANSI/PRCA 1.0-.3-2014 Ropes Challenge Course Installation, Operation and Training Standards

An error has been noted in the June 10<sup>th</sup> 2011 public review of changes (SAV4242 page 35). The purpose of this proposal is to correct the public review error to reflect the Standards Committee (consensus body) vote on the standard clause.

This ANSI public review is for review and comment upon the proposal listed herein only.

NOTE TO REVIEWERS: This proposal makes a change to the current standard. The proposed revision is indicated in legislative format: ~~strikethrough~~ indicates the deletion of the word, phrase or material; underline indicates insertion of new wording, phrases or material. Only the affected portion of the existing ANS is shown herein. Any non-legislative format material is provided for context only and is not open for comment.

To submit a comment on this specific proposed change, go to the <http://www.prcainfo.org> website and download the required comment form. Comment forms must be fully completed in accordance with the instructions failure to do so may result in the comment not being considered with no further action required. Comments are to be submitted electronically to [info@prcainfo.org](mailto:info@prcainfo.org) with a copy forwarded to the ANSI BSR at [psa@ansi.org](mailto:psa@ansi.org).

### Proposal:

#### Section F.12.1. General

- j) Buckles that are an integral part of the system shall have a corner radius of not less than 0.25 inches (6.4mm) and the manufacturer shall provide written evidence that all load bearing buckles have ~~been proof tested to 2500 pounds (11.12kN).~~ an MBS of 2500 pounds (11.12 kN).

American National Standard

ANSI Z4.3- 20XX

**Potable water:** Water that is free of objectionable pollution, contamination, minerals or infection, is approved for drinking, culinary and domestic purposes by the authority having jurisdiction, or in the absence of such authority, water meeting the requirements of the U.S. Environmental Protection Agency.

**Recycled (reclaimed) wastewater:** Water that has passed through a treatment facility mainly for use in irrigation, dust control or fire suppression and is clearly marked "non potable and unsafe for consumption," therefor encouraging conservation of potable water.

**Sanitary condition:** Within the meaning of this standard, that physical condition of working quarters which will tend to prevent the incidence and spread of disease.

**Sanitize:** To make free from dirt, infection, disease, etc., by cleaning it: to make something sanitary.

**Tertiary standards:** a final stage of water treatment before it can be discharged back into the environment.

**Toilet facility:** A series of fixtures (including showers) maintained within a room for the purpose of defecation, urination, or maintaining personal hygiene.

**Urinal:** A fixture maintained within a toilet facility for the sole purpose of urination.

**Water closet:** A toilet or fixture, which is designed to receive human waste directly from the user and discharge it to the drainage system.

may be provided for use within a standard 40-hour workweek. See Table 1.

<b>Table 1</b>	
<i>Minimum number of toilet facilities</i>	
Number of Employees	Minimum number of toilet facilities
<u>If serviced once per week*</u>	
1-10	1
11-20	2
21-30	3
31-40	4
Over 40	1 add'l for each 10
<u>If serviced more than once per week*</u>	
1-15	1
16-35	2
36-55	3
56-75	4
76-95	5
Over 95	1 add'l for each 20
*“Servicing” refers to the emptying of waste, the sanitizing of the facility, and restocking of all necessary items.	

**3.2** Toilet facilities shall be installed, maintained and operated in a manner that will not endanger the health or safety of employees or any person using the facility.

**3.3** Toilet facilities, with separate fixtures for each gender, shall be provided in all places of employment whether indoors, outdoors or underground, except where toilet facilities will be occupied by no more than one person at a time, can be latched from the inside and contain at least one toilet. When these conditions are all met separate toilet facilities for each gender need not be provided (See 3.8).

### 3 General Requirements

**3.1** In places of temporary employment, where ten persons or fewer are employed, a single toilet

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**Comment [1]:** The word "locations" has been removed because it was there in error and redundant with the word "places" earlier in the sentence.

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**6.2.3** Deodorizers, when used, shall be in accordance with applicable federal, state and local provisions. At each time of service the waste container shall be completely drained and sanitized, then recharged with water and deodorizers before use.

**6.2.4** Flushing shall be accomplished by controls operable without special knowledge and are clearly identifiable. The unit must have a vigorous flow to carry waste into the container.

**6.3 Hand wash station requirements**

**6.3.1** All units intended for hand washing must be labeled and clearly identified as "Not for Consumption" or with an equivalent warning not to drink the water. The number of units to be provided is to be based upon the number of toilet facilities required, and shall be in accordance with Table 2.

Number of toilet facilities	Hand wash stations required*
1-10	1
11-20	2
21-30	3
31-40	4
Over 40	1 add'l for each 10

\*For the purpose of this standard, the required number of hand wash stations are equipped with a minimum of one faucet. Care must be taken to ensure that the required numbers of stations are provided based on the type and style of unit being

**6.3.2** Materials that are in contact with grey water shall be nonabsorbent and corrosion-resistant.

**6.3.3** Potable water and wastewater passages shall have smooth surfaces and shall be free of obstructions, recesses or chambers that would allow fouling or algae build up to occur.

**6.3.4** At each time of service the wastewater container shall be completely drained and sanitized, then recharged with water that was potable prior to being transferred to the service truck. At the moment of transfer, the water then becomes non-potable and unsafe for consumption. All necessary items (hand soap and paper towels) are to be restocked in order for the unit to be considered fully functional.

**6.3.5** Units should be serviced at a maximum of 45 days and sanitized with a 10% bleach and water solution to maintain sanitary conditions.

**6.4 Trailer facility requirements**

**6.4.1** Types of manufactured portable sanitation trailers can range from enclosing portable restrooms, decontamination units, locker compartments, shower facilities or combination units and laundry equipment.

**6.4.2** Unless otherwise designated, all trailer systems must be in accordance with Title 24, Code of Federal Regulations, Part 3280 for Mobile / Manufactured Home Construction Standards, including Part 3280.607 – Plumbing Fixtures, in addition to all applicable federal, state and local provisions.

**7 Disposal of Wastewater**

**7.1** Discharge and disposal of wastewater must follow all applicable federal, state and local laws, and be in accordance with proper disposal of wastewater by the authorities having jurisdiction.

**7.2** Adherence to the policies set forth by the local authorized wastewater treatment facilities will be observed in terms of proper policy and procedure for discharge and disposal of wastewater.

**7.3** Both the company and the employee operating within the industry must meet any and all federal, state or local municipalities standards, licensing and permits, in order to haul and dispose of liquid waste.

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**Comment [2]:** The sentence below has been deleted because the subject matter is covered in 6.3.4

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**Deleted:** Note: All water from a potable source that is to be used for a service vehicle water tank immediately becomes non-potable the moment it enters the tank on the service vehicle.

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**4.2.7** Every toilet seat shall be provided with a hinged lid.

**4.2.8** Structures housing portable toilet facilities may be mobile trailers or prefabricated, skid-mounted, or otherwise portable unit. If they contain more than one toilet fixture, each fixture shall occupy a separate compartment with a door and walls or partitions between fixtures to assure privacy. Toilet facilities intended for male use shall be equipped with urinals. Urinals do not need to occupy separate compartments.

**4.2.9** The interior floors, walls, ceilings, partitions and doors of all portable structures shall have a finished surface of solid material, completely enclosed that can be easily sanitized, and not transparent from the outside.

**4.2.10** Every portable toilet facility shall provide adequate space for the user with minimum inside dimensions of 91 cm (3 ft) front-to-back and side-to-side, inside clear height of 1.98 m (6 ft 6 in) and a toilet fixture riser height of 35 to 51 cm (14 to 20 in).

**4.2.11** The door housing a single toilet facility shall be provided with an inside latch. Any door leading to the outside shall be self-closing.

**4.2.12** If the facility contains a tank in which waste is stored, that tank shall be vented to the outside of the structure with a minimum nominal vent area of 45 cm<sup>2</sup> (7 in<sup>2</sup>).

**4.2.13** Portable toilet facilities shall be provided with a screened ventilation opening having a cross-sectional area of at least 0.09 m<sup>2</sup> (1 ft<sup>2</sup>) per fixture.

**4.2.14** To prevent tip-over in high wind situations, it is recommended that no more than two units be tethered together and then stabilized on the ground.

**4.2.15** Deodorizers, when used, shall be in accordance with applicable federal, state and local provisions. At each time of service the waste container shall be completely drained and sanitized, then recharged with water and deodorizers before use.

*Table 2*  
Minimum number of Hand Wash Stations

Number of toilet facilities	Hand wash stations required*
1-10	1
11-20	2
21-30	3
31-40	4
Over 40	1 add'l for each 10

\*For the purpose of this standard, the required numbers of hand wash stations are equipped with a minimum of one faucet. Care must be taken to ensure that the required numbers of stations are provided based on the type and style of unit being delivered.

**4.2.16** Hand washing facilities, in accordance with GAP best practices, shall be placed adjacent to and on the outside of portable restroom units, for efficiency after employee breaks, and for visual assurance that proper hygiene is being followed. Locating hand washing facilities within portable restroom units is also an accepted practice, as long as proper hand washing techniques are discussed with all employees and documented, and signage stating the requirement that employees must wash hands prior to returning to works is posted in an obvious location inside the unit. Hand wash facilities shall be equipped with a foot pump or hands-free system to deter the exchange of communicable diseases, and be equipped with their own grey water tank to prevent overflowing or accidental spillage of black water in the portable restroom tank while in transport to different locations on site.

**4.2.17** Hand washing facilities shall be maintained in a clean and sanitary condition and follow all guidelines set forth in ANSI Z4.3-20XX For Sanitation, Non-Sewered Waste Disposal Systems: Minimum Requirements - Section 6.3 - Hand Wash Station Requirements. They must be properly stocked with unscented soap and single use paper towels at all times.

**4.2.18** A sanitary receptacle shall be built in or near the hand washing facility for the disposal of used paper towels. If not built in, the receptacle shall have a tight fitting cover.

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**4.2.19** Signage must be present at the hand wash facilities. Statements of "Water for Hand Washing Purposes Only--NOT For Consumption" (or an equivalent warning not to drink the water) and "Employees Must Wash Hands After Using Toilets" shall be recognized, and in the form of diagrammatic posters, proper hand washing techniques must be easily identifiable, in both English and the native language of the workers.

**4.2.20** Water testing should be done frequently by the water source. If distributed by a municipality, they can supply the results needed.

#### 4.3 Maintenance

Portable toilet and hand washing facilities shall be maintained in accordance with appropriate public-health sanitation practices, including ANSI Z4.3-20XX, For Sanitation, Non-Sewered Waste Disposal Systems: Minimum Requirements, and the following:

**4.3.1** Toilet facilities shall be operational and maintained in a clean and sanitary condition at all times. Servicing shall include the use of a cleaning solution for sanitizing urinals and seats. Servicing shall also include the removal of waste from containers, the recharging of containers with a deodorizer solution and potable water, and the installation of an adequate supply of toilet tissue.

**4.3.2** The disposal of wastes from facilities shall conform to local, state and/or federal regulations and shall not cause unsanitary conditions. (See also Section 10 – Disposal of wastewater.)

#### 4.4 Reasonable use

Employees shall be allowed reasonable opportunities during the workday to use the facilities taking into account the ambient temperature and humidity, as well as the health, age and physical condition of the individual employee.

**4.4.1** It is the responsibility of the agricultural employer to advise all employees on the importance of good hygiene, which in turn should minimize the amount of exposure in the field from either excessive heat, communicable diseases and individual health issues.

**4.4.2** Good hygiene practices should be explained as follows: to use the facilities for elimination as often as physically necessary to prevent personal health infections; to drink water frequently, especially on hot days; wash hands before and after using the toilet facility; and to wash hands before eating or smoking.

## 5 Temporary Labor Camps and Housing

Some sections of information throughout this standard can be referenced back to ANSI Z4.1-20XX, For Sanitation, In Places of Employment: Minimum Requirements. Dependent on the type of conditions present, labor camp and housing criteria will fall under the International Building Code, Use and Occupancy Classification R-2 for Live/Work Units, where "Residential occupancies containing sleeping units or more than two dwelling units where the occupants are primarily permanent in nature" or will fall under the International Residential Code for One- and Two-family Dwellings. All applicable codes and regulations shall be recognized, for temporary labor camps and housing, in either new construction or in the case of remodeling of existing buildings, and shall comply with the regulations of the authorities having jurisdiction.

### 5.1 Site

**5.1.1** All sites used for camps and housing shall be drained and not be subject to periodic flooding. The camp or housing shall be located so that the drainage from and through the site will not endanger any domestic or public water supply. All sites shall be graded, ditched and rendered free from depressions in which water may become freestanding.

**5.1.2** The site shall not be located within 200 feet of a swamp, sinkhole or other surface collection of water unless such stagnant water surface is subject to mosquito control measures and is fenced and posted with "Do Not Swim" signs in English and the language of the migrants at the site.

**5.1.3** All sites shall be sized to prevent overcrowding of necessary structures. The principal site area in which food is prepared and served and where sleeping quarters are located shall be at least 150 meters (500 feet) from any area in which livestock is quartered or fed.

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**BSR/UL 60079-18, Standard for Safety for *Explosive Atmospheres - Part 18: Equipment Protection by Encapsulation "m"*,**

1. Revision for 10 e) to align with the tests as specified in 8.2.2 and correct the conflict with the NEC.

**PROPOSAL**

**10DV DR Modification of Clause 10 e) to replace with the following:**

In addition to the requirements of IEC UL 60079-0, the marking shall include:

- a) the rated voltage,
- b) the rated current,
- c) the prospective short-circuit current of the external electric supply source if less than 1 500 A, for example "Permitted supply short-circuit current: 500 A".
- d) optionally, the permitted prospective short-circuit current of the external electrical supply if the equipment is designed for a short-circuit current of 1 500 A or more, for example "Permitted supply short-circuit current: 3,500 A".
- e) for all levels of protection "mb" and "mc" for EPL Db and EPL Dc, tested without a dust layer, the maximum surface temperature in degrees Celsius and the unit of measurement °C preceded with the letter "T", (e.g. T 90 °C). For level of protection "ma" for EPL Da, and where appropriate for level of protection "mb" and "mc" for EPL Db and EPL Dc tested with dust layer, the maximum surface temperature  $T_L$  shall be shown as a temperature value in degrees Celsius and the unit of measurement °C, with the layer depth  $L$  indicated as a subscript in mm, (e.g.  $T_{200} 320$  °C). In the case of Levels of Protection "mb" and "mc" for EPL Db or Dc, tested with a dust layer. The maximum surface temperature without the dust layer is not required to be marked. Alternatively the marking indicated in c) and d) and e) above can be included in the instructions and the equipment shall be marked "X" to indicate this specific condition of use in accordance with the "specific conditions of use" marking requirements of IEC UL 60079-0.

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**BSR/UL 507, Standard for Safety for Electric Fans****9. Addition of an Exception to Allow the Use of a Cord Connection for an Attic Fan.**

13.1.2 With reference to the requirement specified in 13.1.1, the following types of appliances shall be provided with means for permanent electrical connection to the power supply:

- a) An attic fan;
- b) An appliance intended for permanent attachment to a building structure;
- c) A duct-connected appliance; or
- d) A range hood.

*Exception No. 1: A through-wall or in-glass fan not intended to be used in a cooking area is not required to be provided with a means for permanent electrical connection when it is provided with a power-supply cord that:*

- a) *Is at least 0.46 m (18 inches) and not more than 3.05 m (10 feet) long;*
- b) *Has three conductors, one being the equipment grounding conductor;*
- c) *Is Type S, SJ, SJO, SJT, SJTO, SO, SP-3, SPT-3, ST, or STO;*
- d) *Is permanently attached to the fan; and*
- e) *Complies with the requirements in 14.1.2 and 14.2.1 - 14.2.5.*

*Exception No. 2: A portable fan with provision for temporary mounting, such as keyhole slots, is not required to be provided with means for permanent electrical connection when it is provided with a power-supply cord that is permanently attached to the fan and complies with the requirements of 14.1.2, 14.2.1 - 14.2.5, and Table 14.2.*

*Exception No. 3: A wall-mounted, ceiling-mounted, I-beam mounted, or suspension-bracket-mounted fan marked for commercial, industrial, or agricultural use is not required to have provision for permanent electrical connection when provided with a power-supply cord that:*

- a) *Has three conductors;*
- b) *Is Type SJ or heavier terminating in an acceptable grounding type attachment plug;*
- c) *Has a length of 0.50 - 3.7 m (1.5 - 12 feet);*
- d) *Is permanently attached to the fan;*
- e) *Complies with the requirements of 14.1.2 and 14.2.1 - 14.2.5; and*
- f) *Is marked in accordance with 62.1.10 or 111.1.*

*Exception No. 4: A down-draft fan is not required to be provided with a means for permanent electrical connection when it is provided with a power supply cord that:*

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- a) *Is at least 457.2 mm (18 inches) but not more than 762 mm (30 inches) long;*
- b) *Has three conductors, one being the equipment grounding conductor;*
- c) *Is Type S, SJ, SJO, SJT, SJTO, SO, ST, or STO;*
- d) *Is permanently attached to the fan at a location intended to be below the surface of the cooking area; and*
- e) *Complies with the requirements in 14.1.2 and 14.2.1 - 14.2.5.*

*Exception No. 5: A rangehood is not required to be provided with a means for permanent electrical connection when it complies with the requirements in sub-section 91.6, Cord-connected rangehoods; sub-section 91.7, Rangehood cord-connection kits; sub-section 92.5, Tests for cord-connected rangehoods; sub-section 92.6, Tests for rangehood cord-connection kits; Section 92A, Rating for Cord-Connected Rangehoods; Section 93A, Installation Instructions for Rangehoods and Cord-Connection Kits, and 93.3 - 93.5.*

*Exception No. 6: An in-line duct fan is not required to be provided with a means for permanent electrical connection when it is provided with the marking defined in item (f) and it is provided with a supply cord that:*

- a) *Is not longer than 1.82 m (6 feet) measured from the point at which the cord emerges from the unit to the face of the attachment plug;*
- b) *Is Type SJ or equivalent;*
- c) *Is permanently attached to the fan;*
- d) *Has three conductors, one being the equipment grounding conductor;*
- e) *Complies with the requirements of 14.1.2, 14.1.5, 14.1.6, and 14.2.1 - 14.2.5; and*
- f) *Is marked in accordance with 62.1.12.*

*Exception No. 7: An attic fan is not required to be provided with a means for permanent electrical connection when it is provided with a power-supply cord that:*

- a) *Has three conductors, one being the equipment grounding conductor;*
- b) *Is type S, SJ, SJO, SJT, SJTO, SO, ST, or STO;*
- c) *Has a length of 0.50 - 1.82 m (1.5 - 6 feet);*
- d) *Is permanently attached to the fan;*
- e) *Complies with the requirements of 14.1.2 and 14.2.1 - 14.2.5; and*
- f) *Is marked or it is noted in the installation instructions "CAUTION: Do not use with extension cord."; and*
- g) *Does not contact the fan blade by one of the following methods:*

1) Guarding of the moving blade to reduce likelihood of cord contact; or

2) Location of cord exit and length of cord is such that likelihood of cord contact with moving blade is minimized; or

3) Instructions are provided as well as cord tag marking to instruct the installer to route cord away from fan blade.

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**BSR/UL 758, Standard for Safety for Appliance Wiring Material****Proposed Change to Add 350°C Class 10 Nickel Coated Copper Conductor to Table 5.3****PROPOSAL****Table 14.1***Aging conditions for insulation and jackets*

Dry temperature rating,		Air oven conditioning		
		Oven temperature,		Time, days
°C	(°F)	°C ±2	(°F ±3)	
60	140	100	212	7
75	167	100	212	10
80	176	113	235	7
90	194	121	250	7
105	221	136	277	7
125	257	158	316	7
150	302	180	356	7
180	356	213	415	7
200	392	232	450	7
250	482	287	549	7
NOTE -				
For temperatures other than those listed on the above table, greater than 250°C (482°F) the following formula shall be used to calculate the 7-day aging temperature:				
$T_c = 1.02 (T_r + 296) - 273$				
in which:				
$T_c$ is the conditioning temperature in °C and				
$T_r$ is the rated temperature in °C				

**Proposed Change to Correct the EP References in Table 7.1****PROPOSAL**

Note from the Project Manager: For brevity, only the affected portion of the table is shown.

**Table 7.1***Index to insulations, buffers, coverings, shields, and jackets*

Materials	Dry temperature rating, °C	Applicable table of physical properties in UL 1581*	Notes
EP	60	UL 62, Table 9, Class 1	Insulation only. Covering required, or evaluated for restricted use.

EP	60	UL 62, Table 12, Class 1.1	Jacket
EP	75	UL 62, Table 9, Class 2	Insulation only. Covering required, or evaluated for restricted use.
EP	75	UL 62, Table 12, Class <u>1.3</u> 4-2	Jacket
EP	90	UL 62, Table 9, Class 3	Insulation only. Covering required, or evaluated for restricted use.
EP	90	UL 62, Table 12, Class <u>1.4</u> 4-3	Jacket
EP	105	UL 62, Table 9, Class <u>19</u> 4-9	Insulation only. Covering required, or evaluated for restricted use.
EP	105	UL 62, Table 12, Class <u>1.12</u> 4-2	Jacket
*Other standards may be used as indicated.			

### Proposed Change to Add 350°C Class 10 Nickel Coated Copper Conductor to Table 5.3

#### PROPOSAL

Note from the Project Manager: For brevity, only the affected portion of the table is shown.

**Table 5.3**

#### *Conductor - metal specifications*

<b>Conductor metal</b>	<b>ASTM reference for the metal</b>	<b>Temperature limit for the metal, °C (°F)</b>	<b>Other limits</b>
Copper, nickel-coated	ANSI/ASTM B 355	250 (482)	
<u>Copper, nickel-coated, Class 10</u>	<u>ANSI/ASTM B 355</u>	<u>350 (662)</u>	
Copper, nickel-coated, Type A, 27 percent minimum nickel coated copper	ANSI/ASTM B 355	550 (1022)	
NOTE 1 - "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin," mentioned in this table refers to copper strands that are twisted and then coated with tin.			
<sup>a</sup> IACS - International Annealed Copper Standard			

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**BSR/UL 1650, Standard for Safety for Portable Power Cables**

**PROPOSAL**

Tensile Strength for TPE Jacket, Proposed Change to Table 8.3

Note from the Project Manager: For brevity, only the affect portion of the table is shown.

**Table 8.3**

*Physical properties of jackets*

			Material and properties		
			Neoprene, CP, CPE, NBR/PVC		TPE
			75°C (167°F)	90°C (194°F)	75 or 90°C (167 or 194°F)
Class			A	B	C
Condition	Test				
Before aging	Elongation	Minimum	200 percent	200 percent	200 percent
	Tensile strength	Minimum	1200 lbf/in <sup>2</sup> (8.3 MPa)	1200 lbf/in <sup>2</sup> (8.3 MPa)	<del>1200</del> 1450-0 lbf/in <sup>2</sup> <del>(8.3)</del> 10.3 MPa
	Air-oven test	Temperature	100 ±1°C (212 ±1.8°F)	110 ±1°C (230 ±1.8°F)	121 ±1°C (250 ±1.8°F)
	Time		10 days	10 days	7 days

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