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## American National Standards

### Call for comment on proposals listed

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

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

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

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

\* Standard for consumer products

## Comment Deadline: November 6, 2016

### NCSBN (National Council of State Boards of Nursing)

#### **New Standard**

BSR/NCSBN-002-201x, Reporting of Disciplinary Actions by Boards of Nursing (new standard)

This 30-day review period is restricted to enhancements made to standard NCSBN-002. The changes revolve around providing a more flexible and consistent period of time for boards of nursing to report disciplinary action. The change from 10 working days to no later than 15 calendar days received a much wider acceptance from the boards, recognizing that different states have different calendars they manage by.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Greg Pulaski, (312) 525-3681, [gpulaski@ncsbn.org](mailto:gpulaski@ncsbn.org)

### NCSBN (National Council of State Boards of Nursing)

#### **New Standard**

BSR/NCSBN-003-201x, Primary Source Verification of Licensure by Endorsement (new standard)

This 30-day review period is restricted to enhancements made to standard NCSBN-003. A definition for Secure Electronic Transmission was added to clarify action taken and intent.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Greg Pulaski, (312) 525-3681, [gpulaski@ncsbn.org](mailto:gpulaski@ncsbn.org)

### UL (Underwriters Laboratories, Inc.)

#### **New Standard**

BSR/UL 1201-201x, Standard for Sensor Operated Backwater Prevention System (new standard)

(1) The proposed first edition of the joint UL/ULC standard for Sensor Operated Backwater Prevention Systems, CAN/ANSI/ULC/UL 1201.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@ul.com](mailto:Amy.K.Walker@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### **Revision**

BSR/UL 217-201x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2015)

Proposal (dated 10-7-2016) to update the Polyurethane Flaming and Smoldering and Cooking Nuisance Tests to match the recently published requirements in UL 268, Smoke Detectors for Fire Alarm Systems.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Lloret, (510) 319-4269, [Paul.E.Lloret@ul.com](mailto:Paul.E.Lloret@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### **Revision**

BSR/UL 499-201x, Standard for Electric Heating Appliances (revision of ANSI/UL 499-2014)

(1) Power limits for steam-bath generators.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@ul.com](mailto:Amy.K.Walker@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### **Revision**

BSR/UL 1598C-201x, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2014)

(1) Supplemental requirements for marine luminaire LED retrofit kits.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ritu Madan, (847) 664-3297, [ritu.madan@ul.com](mailto:ritu.madan@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### **Revision**

BSR/UL 1703-201x, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)

(1) Clarification of time frames for completion of the follow-up tests for humidity and temperature conditioning.

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

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

## Comment Deadline: November 21, 2016

### 3-A (3-A Sanitary Standards, Inc.)

#### **Revision**

BSR/3A 00-01-201x, 3-A Sanitary Standard for General Requirements (revision and redesignation of ANSI/3-A 00-00-2014)

This 3-A Sanitary Standard defines the general requirements for sanitary (hygienic) equipment intended for processing milk, milk products, foods, food ingredients, beverages, or other edible materials.

Single copy price: \$150.00

Obtain an electronic copy from: [erics@3-a.org](mailto:erics@3-a.org)

Order from: Eric Schweitzer, (703) 790-0295, [erics@3-a.org](mailto:erics@3-a.org)

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

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

#### **New Standard**

BSR/AAMI ST90-201x, Processing of health care products - Quality management systems for processing in health care facilities (new standard)

This document is intended for sterile processing personnel and specifies a minimum requirement for a quality management system (QMS) in a health care organization to effectively, efficiently, and consistently process medical devices to prevent adverse patient events and non-manufacturer related device failures.

Single copy price: Free

Obtain an electronic copy from: [https://standards.aami.org/kws/public/document?document\\_id=10106&wg\\_abbrev=PUBLIC\\_REV](https://standards.aami.org/kws/public/document?document_id=10106&wg_abbrev=PUBLIC_REV)

Order from: [https://standards.aami.org/kws/public/document?document\\_id=10106&wg\\_abbrev=PUBLIC\\_REV](https://standards.aami.org/kws/public/document?document_id=10106&wg_abbrev=PUBLIC_REV)

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

**ADA (American Dental Association)****Withdrawal**

ANSI/ADA Specification No. 70:1999 (R2010), Dental X-Ray Protective Aprons and Accessory Devices (withdrawal of ANSI/ADA Specification No. 70-1999 (R2010))

This specification applies to dental X-ray protective aprons and accessory devices, such as thyroid collars and thyroid shields used in dentistry that protect the patient, as much as feasible, from the harmful effects of dental diagnostic X-radiation. It specifies the requirements for X-radiation absorption and the areas of anatomy that the aprons and thyroid collars protect.

Single copy price: \$40.00

Obtain an electronic copy from: standards@ada.org

Order from: Kathy Medic, (312) 440-2533, medick@ada.org

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

**ANS (American Nuclear Society)****Reaffirmation**

BSR/ANS 8.26-2007 (R201x), Criticality Safety Engineer Training and Qualification Program (reaffirmation of ANSI/ANS 8.26-2007 (R2012))

This standard presents the fundamental elements of a training and qualification program for individuals with responsibilities for performing the various technical aspects of criticality safety engineering. The standard presents a flexible array of competencies for use by management to develop tailored training and qualification programs applicable to site-specific job functions, facilities and operations.

Single copy price: \$40.00

Obtain an electronic copy from: scook@ans.org

Order from: Sue Cook, (708) 579-8210, orders@ans.org; scook@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org; kmurdoch@ans.org

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

ANSI/ASABE/ISO 3776-1-2012, Tractors and machinery for agriculture - Seat belts - Part 1: Anchorage location requirements (reaffirmation and redesignation of ANSI/ASABE/ISO 3776-1-2012)

Specifies the location, relative position and threaded hole dimensions of the anchorages for pelvic restraint (seat) belt assemblies intended to be used by the operators of agricultural tractors and self-propelled machinery.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE EP411.5-2012 (R201x), Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers (reaffirmation of ANSI/ASAE EP411.5-2012)

Set forth guidelines for the measurement of environmental parameters that characterize the aerial and root environment in a plant growth chamber. It establishes criteria that will promote a common basis for environmental measurements for the research community and the commercial plant producer and promotes uniformity and accuracy in reporting data and results in the course of conducting plant experiments.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE S436.1-1997 (R201x), Test Procedure for Determining the Uniformity of Water Distribution of Center Pivot and Lateral Move Irrigation Machines Equipment with Spray or Sprinkler Nozzles (reaffirmation of ANSI/ASAE S436.1-1997 (R2012))

Defines a method for characterizing the uniformity of water distribution of sprinkler packages installed on center pivots and lateral move irrigation machines. This test produces data to be used in computing the coefficient of uniformity, which can assist in system design and/or selection, and can be used to quantify certain aspects of system performance in the field. The coefficient of uniformity is only one factor in evaluating total system performance. Application rates, runoff, wind, amount of water applied, pump performance, and overall system management can greatly affect the total performance of irrigation systems.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE S478.1-2012 (R201x), Roll-Over Protective Structures (ROPS) for Compact Utility Tractors (reaffirmation of ANSI/ASAE S478.1-2012)

To establish the test and performance requirements of a roll-over protective structure, ROPS, designed for compact utility tractors to minimize the frequency and severity of crushing injury to the operator resulting from accidental tractor upset.

Single copy price: \$58.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace, (269) 932-7009, brace@asabe.org

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE/ISO 9190-2002 (R201x), Lawn and garden ride-on (riding) tractors - Drawbar (reaffirmation of ANSI/ASAE/ISO 9190-2002 (R2012))

To specify the dimensions and location requirements for drawbars on lawn and garden ride-on (riding) tractors.

Single copy price: \$58.00

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

Order from: Walter Brace, (269) 932-7009, [brace@asabe.org](mailto:brace@asabe.org)

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE/ISO 9191-2002 (R201x), Lawn and garden ride-on (riding) tractors - Three-point hitch (reaffirmation of ANSI/ASAE/ISO 9191-2002 (R2012))

To specify the requirements for the connection of implements or attachments to the rear of lawn and garden ride-on (riding) tractors by means of a three-point free link hitch in association with a power lift.

Single copy price: \$58.00

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

Order from: Walter Brace, (269) 932-7009, [brace@asabe.org](mailto:brace@asabe.org)

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

**ASABE (American Society of Agricultural and Biological Engineers)****Reaffirmation**

BSR/ASAE/ISO 9192-2002 (R201x), Lawn and garden ride-on (riding) tractors - One-point tubular sleeve hitch (reaffirmation of ANSI/ASAE/ISO 9192-2002 (R2012))

To specify the requirements for the connection of implements or attachments to the rear of lawn and garden ride-on (riding) tractors by means of a one-point (single-pin-connection) hitch in association with a manual or power lift system. Standard dimensions for hitch-point location, hitch tube, and implement yoke are laid down to ensure the connection of specific implements or attachments.

Single copy price: \$58.00

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

Order from: Walter Brace, (269) 932-7009, [brace@asabe.org](mailto:brace@asabe.org)

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

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

BSR/ASME B16.10-201x, Face-To-Face and End-To-End Dimensions of Valves (revision of ANSI/ASME B16.10-2009)

This Standard covers face-to-face and end-to-end dimensions of straightway valves, and center-to-face and center-to-end dimensions of angle valves.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Richard Lucas, (212) 591-7541, [lucasr@asme.org](mailto:lucasr@asme.org)

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

BSR/ASME B16.47-201x, Large Diameter Steel Flanges (revision of ANSI/ASME B16.47-2011)

This Standard covers pressure-temperature ratings, materials, dimensions, tolerances, marking, and testing for pipe flanges in sizes NPS 26 through NPS 60.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Richard Lucas, (212) 591-7541, [lucasr@asme.org](mailto:lucasr@asme.org)

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

BSR ASSE Z9.10-201X, Fundamentals Governing the Design and Operation of Dilution Ventilation Systems in Industrial Occupancies (revision and redesignation of ANSI AIHA Z9.10-2010)

This standard discusses fundamental good practices related to the commissioning, design, selection, installation, operation, maintenance, and testing of dilution ventilation (DV) or general exhaust ventilation (GEV) systems used for the control of employee exposure to airborne contaminants.

Single copy price: \$77.00

Obtain an electronic copy from: [OMunteanu@ASSE.org](mailto:OMunteanu@ASSE.org)

Order from: Ovidiu Munteanu, (847) 232-2012, [OMunteanu@ASSE.org](mailto:OMunteanu@ASSE.org)

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

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

BSR/ASTM D2235-201x, Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings (new standard)

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

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM D2513-201x, Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (new standard)

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

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

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

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

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

Single copy price: Free

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

BSR/ASTM D3138-201x, Specification for Solvent Cements for Transition Joints between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components (new standard)

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

Single copy price: Free

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

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

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

BSR/ASTM D3261-201x, Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing (new standard)

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

Single copy price: Free

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

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

BSR/ASTM F645-201x, Guide for Selection, Design, and Installation of Thermoplastic Water-Pressure Piping Systems (new standard)

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

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM F714-201x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (new standard)

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

Single copy price: Free

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

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

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

BSR/ASTM F1804-201x, Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe during Pull-In Installation (new standard)

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

Single copy price: Free

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

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

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

BSR/ASTM F2389-201x, Specification for Pressure-Rated Polypropylene (PP) Piping Systems (new standard)

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

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM F2768-201x, Specification for Modified Stub ACME Thread Joint with Elastomeric Seal in Plastic Piping Components (new standard)

[http://compass.astm.org/EDIT/html\\_annot.cgi?F2768+09](http://compass.astm.org/EDIT/html_annot.cgi?F2768+09)

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM F2769-201x, Specification for Polyethylene of Raised Temperature (PE-RT) Plastic Hot- and Cold-Water Tubing and Distribution Systems (new standard)

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

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

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

BSR/ASTM F3123-201x, Specification for Metric Outside Diameter Polyethylene (PE) Plastic Pipe (DR-PN) (new standard)

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

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM WK30656-201x, Test Method for Determining the Fire-Test Response Characteristics of Building Perimeter Containment Systems due to External Spread of Fire (new standard)

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

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

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

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

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

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

Single copy price: Free

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

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

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

BSR/ASTM WK47007-201x, Specification for Impact Attenuation of Turf Playing Systems Designated for Rugby as Measured in the Field (new standard)

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

Single copy price: Free

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

Order from: Corice Leonard, (610) 832-9744, [accreditation@astm.org](mailto:accreditation@astm.org)

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

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

BSR/ASTM WK47354-201x, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL)1 Radiant Panel (new standard)

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

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

BSR/ASTM WK54682-201x, Practice for Regression Analysis (new standard)

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

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM C582-2009 (R201x), Specification for Contact-Molded Reinforced Thermosetting Plastic (RTP) Laminates for Corrosion-Resistant Equipment (reaffirmation of ANSI/ASTM C582-2009)

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

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F1507-2000 (R201x), Specification for Surge Suppressors for Shipboard Use (reaffirmation of ANSI/ASTM F1507-2000 (R2011))

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

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2045-2000 (R201x), Specification for Indicators, Sight, Liquid Level, Direct and Indirect Reading, Tubular Glass/Plastic (reaffirmation of ANSI/ASTM F2045-2000 (R2011))

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

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2046-2000 (R201x), Specification for Tachometers, Various (reaffirmation of ANSI/ASTM F2046-2000 (R2011))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2070-2001 (R201x), Specification for Transducers, Pressure and Differential, Pressure, Electrical and Fiber-Optic (reaffirmation of ANSI/ASTM F2070-2001 (R2011))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM F2071-2001 (R201x), Specification for Switch, Position Proximity (Noncontact) or Limit (Mechanical Contact), Fiber-Optic (reaffirmation of ANSI/ASTM F2071-2001 (R2011))

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

BSR/ASTM D7793-201x, Specification for Insulated Vinyl Siding (revision of ANSI/ASTM D7793-2013)

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

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

BSR/ASTM E136-201x, Test Method for Behavior of Materials in a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2016)

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

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

BSR/ASTM E162-201x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2015)

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

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

BSR/ASTM E176-201x, Terminology of Fire Standards (revision of ANSI/ASTM E176-2015)

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

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

BSR/ASTM E230-201x, Specification and Temperature-Electromotive Force (EMF) Tables for Standardized Thermocouples (revision of ANSI/ASTM E230-2012)

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

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

BSR/ASTM E2586-201x, Practice for Calculating and Using Basic Statistics (revision of ANSI/ASTM E2586-2014)

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

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

BSR/ASTM E2935-201x, Practice for Conducting Equivalence Testing in Laboratory Applications (revision of ANSI/ASTM E2935-2015)

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

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

BSR/ASTM F1055-201x, Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (revision of ANSI/ASTM F1055-2016)

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

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

BSR/ASTM F1292-201x, Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment (revision of ANSI/ASTM F1292-2013)

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

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

BSR/ASTM F1409-201x, Test Method for Straight Line Movement of Vacuum Cleaners while Cleaning Carpets (revision of ANSI/ASTM F1409-2000 (R2010))

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

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

BSR/ASTM F1511-201x, Specification for Mechanical Seals for Shipboard Pump Applications (revision of ANSI/ASTM F1511-2014)

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

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

BSR/ASTM F1776-201x, Specification for Eye Protective Devices for Paintball Sports (revision of ANSI/ASTM F1776-2014)

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

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

BSR/ASTM F1955-201x, Test Method for Flammability of Sleeping Bags (revision of ANSI/ASTM F1955-2015)

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

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

BSR/ASTM F1979-201x, Specification for Paintballs Used in the Sport of Paintball (revision of ANSI/ASTM F1979-2010 (R2014))

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

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

BSR/ASTM F2879-201x, Specification for Eye Protective Devices for Airsoft Sports (revision of ANSI/ASTM F2879-2014)

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

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**ATIS (Alliance for Telecommunications Industry Solutions)****Revision**

BSR/ATIS 0300253-201x, Structure for the Representation of Location Entities for Information Exchange (revision of ANSI/ATIS 0300253-2011)

This standard defines the format and structure of data elements and the overall code necessary to provide a form of identification of location entities for the purpose of efficient information exchange. It also provides for instances of codes to represent geographical locations (e.g., cities, towns, and communities) within the states and territories of the United States and the provinces and territories of Canada, as well as in other countries and unique designations. This standard also provides information for the assignment of these codes. The provision of instances of the remaining data elements in the overall location code is also described.

Single copy price: \$60.00

Obtain an electronic copy from: [ablasgen@atis.org](mailto:ablasgen@atis.org)

Order from: Alexandra Blasgen, (202) 434-8840, [ablasgen@atis.org](mailto:ablasgen@atis.org)

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

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

BSR/AWS D8.14M-201X, Specification for Automotive Weld Quality - Arc Welding of Aluminum (revision of ANSI/AWS D8.14M-2008)

The purpose of this specification is to provide the minimum acceptance criteria for arc welding of various types of automotive parts made of aluminum.

Single copy price: \$32.00

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

Order from: Annik Babinski, (800) 443-9353, [ababinski@aws.org](mailto:ababinski@aws.org)

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**CSA (CSA Group)****Reaffirmation**

BSR NGV 4.8/CSA 12.8-2012 (R201x), Natural gas vehicle fueling station reciprocating compressor guidelines (reaffirmation of ANSI NGV 4.8/CSA 12.8-2012)

This standard details construction and performance requirements for natural gas compressors for use in compressed natural gas fueling station service. The compressor package should include, but not be limited to, all necessary equipment from inlet connection immediately upstream from the isolation valve to the packager-specified discharge connection.

Single copy price: Free

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**IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)****Revision**

BSR/ASSE 1055-201x, Performance Requirements for Chemical Dispensing Systems (revision of ANSI/ASSE 1055-2009)

Chemical dispensing systems provide a means of mixing potable water with chemicals to provide the user with a chemical solution which is ready for use. The amount of dilution shall be fixed or adjustable. This standard applies to those devices classified as chemical dispensing systems having a self-contained means of backflow protection.

Single copy price: Free

Obtain an electronic copy from: [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org)

Order from: Conrad Jahrling, (708) 995-3017, [conrad.jahrling@asse-plumbing.org](mailto:conrad.jahrling@asse-plumbing.org) (When emailing, please have "PR1055" in the subject line.)

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**IAPMO (Z) (International Association of Plumbing & Mechanical Officials)****Revision**

BSR/CSA B45.5/IAPMO Z124-201x, Plastic plumbing fixtures (revision of ANSI/IAPMO Z124/CSA B45.5-2011)

This Standard covers plastic plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings. This Standard covers the following plumbing fixtures: (a) bathtubs and combination tub/showers; (b) lavatories; (c) shower bases and shower stalls; (d) sinks: (i) bar sinks; (ii) kitchen sinks; (iii) laundry sinks; and (iv) service sinks; (e) urinals; and (f) water closets.

Single copy price: \$75.00

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**IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)****New Standard**

BSR C63.5-201x, Draft Standard for Electromagnetic 3 Compatibility - Radiated Emission 4 Measurements in Electromagnetic 5 Interference (EMI) Control - Calibration 6 and Qualification of Antennas (9 kHz to 7 40 GHz) (new standard)

This standard provides methods for determining antenna factors (AFs) and associated parameters of antennas used to perform radiated emission measurements in electromagnetic interference (EMI) control from 9 kHz to 40 GHz.

Single copy price: Free

Obtain an electronic copy from: [s.vogel@ieee.org](mailto:s.vogel@ieee.org)

Order from: Susan Vogel, 732-562-3817, [s.vogel@ieee.org](mailto:s.vogel@ieee.org)

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

BSR/IICRC S540-201x, Standard for Trauma and Crime Scene Remediation (new standard)

This Standard describes the procedures to be followed and the precautions to be taken when performing trauma and crime scene remediation regardless of surface, item, or location.

Single copy price: Free

Obtain an electronic copy from: Mili Washington at [mili@iicrc.org](mailto:mili@iicrc.org)

Order from: Mili Washington, (702) 850-2710, [mili@iicrc.org](mailto:mili@iicrc.org)

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**MSS (Manufacturers Standardization Society)****Revision**

BSR/MSS SP-44-201x, Steel Pipeline Flanges (revision and redesignation of ANSI/MSS SP-44-2010 (incl. 2011 Errata))

Covers pressure-temperature ratings, materials, dimensions, tolerances, marking, and testing for steel pipeline flanges. The welding neck-type flanges shall be forged steel, and the blind flanges may be made from either forged steel or from steel plate. Dimensional and tolerance requirements for NPS 10 and smaller are provided by reference to ASME B16.5. Note that SP-44 covers construction details not covered by another current standard, including P/T ratings, of products made of high-yield strength materials (e.g., for users that have flanged joints, flanged valves, and flanged fittings).

Single copy price: \$220.00 (Price includes review draft and published standard.)

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

Order from: Michelle Pennington, (703) 281-6613, Ext 101, [mpennington@mss-hq.org](mailto:mpennington@mss-hq.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Robert O'Neill, (703) 281-6613, [boneill@mss-hq.org](mailto:boneill@mss-hq.org)

**NEMA (ASC C8) (National Electrical Manufacturers Association)****Reaffirmation**

BSR ICEA S-86-634-2011 (R201x), Buried Telecommunications Wire, Filled, Polyolefin Insulated, Copper Conductor, Technical Requirements (reaffirmation of ANSI ICEA S-86-634-2011)

This Standard covers mechanical and electrical requirements for filled, polyolefin-insulated, copper-conductor, buried telecommunications wire. It provides alternative choices for type of insulation, type of filling compound, sheath design (shielding materials, single or double jackets, and jacket type and thickness), and armoring. Buried wire is used to extend buried telephone plant from the distribution cable to the subscriber.

Single copy price: \$144.00

Obtain an electronic copy from: [Kevin.Connelly@nema.org](mailto:Kevin.Connelly@nema.org)

Order from: Kevin Connelly, (703) 841-3299, [Kevin.Connelly@Nema.org](mailto:Kevin.Connelly@Nema.org)

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**NISO (National Information Standards Organization)****Revision**

BSR/NISO Z39.99-201x, ResourceSync Framework Specification (revision of ANSI/NISO Z39.99-2014)

The ResourceSync specification describes a synchronization framework for the web consisting of various capabilities that allow third-party systems to remain synchronized with a servers evolving resources. The capabilities may be combined in a modular manner to meet local or community requirements. This specification also describes how a server should advertise the synchronization capabilities it supports and how third-party systems may discover this information. The proposed revised standard includes edits to address problems related to the conflation of a resource and the date and time of notification of a change to the resource.

Single copy price: \$45.00

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Order from: <http://www.niso.org/contact/>

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

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

BSR/TAPPI T 821 om-201x, Pin adhesion of corrugated board by selective separation (revision of ANSI/TAPPI T 821 om-2012)

This method is used to measure the force required to separate corrugated board between the flute tips of corrugated medium and its linerboard facings.

Single copy price: Free

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

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

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

BSR/UL 61010-2-020-201X, Standard for Safety for Safety Requirements for Measurement, Control, and Laboratory Use - Part 2-020: Particular Requirements for Laboratory Centrifuges (identical national adoption of IEC 61010-2-020)

Adoption of IEC 61010-2-020, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-020: Particular Requirements for Laboratory Centrifuges, (third edition, issued by IEC May 2016) as a new IEC-based UL standard, UL 61010-2-020 with no U.S. differences.

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

BSR/UL 62133-201x, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications (national adoption with modifications of IEC 62133)

(1) The proposed new edition of UL 62133 which is harmonized with CSA and the second edition and Corrigendum 1 of the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications, IEC 62133.

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

BSR/UL 153-201X, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2015)

The following changes in requirements to the Standard for Portable Electric Luminaires, UL 153, are being proposed: (1) Add requirements for USB and POE Portable Luminaires; (2) Scope clarification relative to decorative lighting; (3) Revise definition of "Lamp" in Glossary; (4) Clarify requirements for portable luminaires intended for use without a shade; (5) Add requirements for lampholders for use with instant start ballasts; (6) Add requirements for button and coin batteries; (7) Add requirements for overcurrent protection; (8) Clarify and consolidate requirements for surface mounted units; and (9) Remove requirements for internal wiring protection for cord and chain.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Heather Sakellariou, (847) 664-2346, [Heather.Sakellariou@ul.com](mailto:Heather.Sakellariou@ul.com)

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

BSR/UL 749-201X, Standard for Safety for Household Dishwashers (Proposal dated 10-7-16) (revision of ANSI/UL 749-2013)

This recirculation proposal provides revisions to the UL 749 proposal dated 2015-11-20.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ross Wilson, (919) 549-1511, [Ross.Wilson@ul.com](mailto:Ross.Wilson@ul.com)

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

BSR/UL 749-201X, Standard for Safety for Household Dishwashers (Proposal dated 10-7-16) (revision of ANSI/UL 749-2013)

This recirculation proposal provides revisions to the UL 749 proposal dated 2015-11-20.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Ross Wilson, (919) 549-1511, [Ross.Wilson@ul.com](mailto:Ross.Wilson@ul.com)

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

BSR/UL 2034-201x, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2016)

Document dated 10-7-2016 proposes the following revisions: (1)

Supplemental means for operating the sensitivity test feature; (2) Pre-alarm notification; (3) Remote alarm reset/silence; (4) Primary and secondary power supply requirements; and (5) Correction to Paragraph 75.2.4.

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**Comment Deadline: December 6, 2016****ALI (Automotive Lift Institute)****Revision**

BSR/ALI ALCTV-201X, Standard for Automotive Lifts - Safety Requirements for Construction, Testing and Validation (revision of ANSI/ALI ALCTV-2011)

This standard covers safety requirements for the design, construction, testing, and validation of automotive lifts of the following types: manually driven, power driven, stationary, and mobile. Lifts that are movable or are designed to tilt the superstructure, or are not "automotive vehicle service lifts" are outside the scope of this standard. Exemplar automotive lifts intended to be covered by this standard are depicted in Appendix A.

Single copy price: \$105.00

Order from: Bob O'Gorman, (607) 756-7775, [info@autolift.org](mailto:info@autolift.org); [bob@autolift.org](mailto:bob@autolift.org)

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

**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

BSR/INCITS/ISO 19150-2:2015, Geographic information - Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) (identical national adoption of ISO 19150-2:2015)

Defines rules and guidelines for the development of ontologies to support better the interoperability of geographic information over the Semantic Web. The Web Ontology Language (OWL) is the language adopted for ontologies. It defines the conversion of the UML static-view modeling elements used in the ISO geographic information standards into OWL. It further defines conversion rules for describing application schemas based on the General Feature Model defined in ISO 19109 into OWL. It does not define semantics operators or rules for service ontologies, and does not develop any ontology.

Single copy price: \$133.00

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**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

BSR/INCITS/ISO 19103:2015, Geographic information - Conceptual schema language (identical national adoption of ISO 19103:2015)

Provides rules and guidelines for the use of a conceptual schema language within the context of geographic information. The chosen conceptual schema language is the Unified Modeling Language (UML). Provides a profile of the Unified Modeling Language (UML). The standardization target type of this standard is UML schemas describing geographic information.

Single copy price: \$133.00

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**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

BSR/INCITS/ISO 19162:2015, Geographic information - Well-known text representation of coordinate reference systems (identical national adoption of ISO 19162:2015)

This standard defines the structure and content of a text string implementation of the abstract model for coordinate reference systems described in ISO 19111:2007 and ISO 19111-2:2009. The string defines frequently needed types of coordinate reference systems and coordinate operations in a self-contained form that is easily readable by machines and by humans. The essence is its simplicity; as a consequence, there are some constraints upon the more open content allowed in ISO 19111:2007. To retain simplicity in the well-known text (WKT) description of coordinate reference systems and coordinate operations, the scope of this Standard excludes parameter grouping and pass-through coordinate operations. The text string provides a means for humans and machines to correctly and unambiguously interpret and utilize a coordinate reference system definition with look-ups or cross-references only to define coordinate operation mathematics. Because it omits metadata about the source of the data and may omit metadata about the applicability of the information, the WKT string is not suitable for the storage of definitions of coordinate reference systems or coordinate operations.

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

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

BSR/INCITS/ISO/IEC 17788:2014, Information technology - Cloud computing - Overview and vocabulary (identical national adoption of ISO/IEC 17788:2014)

Provides an overview of cloud computing along with a set of terms and definitions. It is a terminology foundation for cloud computing standards and is applicable to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations).

Single copy price: \$44.00

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

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

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

BSR/INCITS/ISO/IEC 17789:2014, Information technology - Cloud computing - Reference architecture (identical national adoption of ISO/IEC 17789:2014)

Specifies the cloud computing reference architecture (CCRA). The reference architecture includes the cloud computing roles, cloud computing activities, and the cloud computing functional components and their relationships.

Single copy price: \$120.00

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

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

BSR/INCITS/ISO/IEC 17991:2015, Information technology - Office equipment - Method for Measuring Scanning Productivity of Digital Multifunctional Devices (identical national adoption of ISO/IEC 17991:2015)

Provides definitions for colour terms used with office equipment, in particular for use with colour scanning and printing devices that have digital imaging capabilities, including multi-function devices. This standard is not intended to replace terms and definitions published in documents or user interfaces issued or created by manufacturers.

Single copy price: \$87.00

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

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

BSR/INCITS/ISO/IEC 19395:2015, Information technology - Sustainability for and by information technology - Smart data centre resource monitoring and control (identical national adoption of ISO/IEC 19395:2015)

Provides Messages that facilitate integrated or "smart" monitoring and control of Resources in those islands. The messages are exchanged between the management function and resources. ISO/IEC 19395:2015 acknowledges that those Resources may be composed of other resources (e.g., a rack may contain servers, ventilators, etc.). In addition, e.g., those servers may be viewed from their computing, energy consumption, or dissipation aspects which ISO/IEC 19395:2015 models as resource components and groups into IT, power, and fluid domains, respectively.

Single copy price: \$87.00

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

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

INCITS/ISO 19101-1:2014, Geographic information - Reference model - Part 1: Fundamentals (identical national adoption of and revision of INCITS/ISO 19101:2002 [R2012])

Defines the reference model for standardization in the field of geographic information. This reference model describes the notion of interoperability and sets forth the fundamentals by which this standardization takes place.

Although structured in the context of information technology and information technology standards, ISO 19101-1:2014 is independent of any application development method or technology implementation approach.

Single copy price: \$100.00

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

### *New National Adoption*

INCITS/ISO 19136-2:2015, Geographic information - Geography Markup Language (GML) - Part 2: Extended schemas and encoding rules (identical national adoption of ISO 19136-2:2015)

This standard is an XML encoding in compliance with ISO 19118 for the transport and storage of geographic information modelled in accordance with the conceptual modelling framework used in the ISO 19100 series of International Standards and including both the spatial and non-spatial properties of geographic features. This standard defines the XML Schema syntax, mechanisms and conventions that provide an open, vendor-neutral framework for the description of geospatial application schemas for the transport and storage of geographic information in XML; allow profiles that support proper subsets of GML framework descriptive capabilities; support the description of geospatial application schemas for specialized domains and information communities; enable the creation and maintenance of linked geographic application schemas and datasets; support the storage and transport of application schemas and datasets; increase the ability of organizations to share geographic application schemas and the information they describe. Implementers may decide to store geographic application schemas and information in GML, or they may decide to convert from some other storage format on demand and use GML only for schema and data transport.

Single copy price: \$120.00

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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 National Adoption*

INCITS/ISO 19131:2007, Geographic information - Data product specifications' (identical national adoption of ISO 19131:2007)

Specifies requirements for the specification of geographic data products, based upon the concepts of other ISO 19100 International Standards. It also provides help in the creation of data product specifications, so that they are easily understood and fit for their intended purpose.

Single copy price: \$60.00

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

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

### *New National Adoption*

INCITS/ISO 19110:2005/AMD 1:2011, Geographic information - Methodology for feature cataloguing - Amendment 1 (identical national adoption of ISO 19110:2005/AMD 1:2011)

Amendment 1 to ISO 19110:2005.

Single copy price: \$60.00

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

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

### *New National Adoption*

INCITS/ISO/IEC 28360:2015, Information technology - Office equipment - Determination of chemical emission rates from electronic equipment (identical national adoption of and revision of INCITS/ISO/IEC 28360:2012 [2013])

Specifies methods to determine chemical emission rates of analyte from information and communication technology (ICT) and consumer electronics (CE) equipment during intended operation in an Emission Test Chamber (ETC). The methods comprise preparation, sampling (or monitoring) in a controlled ETC, storage and analysis, calculation, and reporting of emission rates. Includes specific methods for equipment using consumables, such as printers, and equipment not using consumables, such as monitors and PCs. It also specifies monochrome and colour print patterns for use in the operating phase of EUT using consumables (e.g., paper).

Single copy price: \$100.00

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

### *New National Adoption*

INCITS/ISO/IEC 29102:2015, Information technology - Office equipment - Method for the determination of ink cartridge photo yield for colour printing with inkjet printers and multi-function devices that contain inkjet printer components (identical national adoption of and revision of INCITS/ISO/IEC 29102:2011 [2012])

Provides a method to determine the ink cartridge photo yield of ink-containing cartridges (i.e., integrated ink cartridges and ink cartridges without integrated print heads) for colour photo printing with colour inkjet printers and multi-function devices that contain inkjet printer components. Ink cartridge yields determined on one printer model, paper, and cartridge configuration are not applicable to another printer model or cartridge configuration even if the ink jet cartridges used in testing are the same.

Single copy price: \$75.00

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 510-201x, Information technology - Fibre Channel - Generic Services - 7 (FC-GS-7) (new standard)

Describes in detail the Services accessed by well-known addresses defined in FC-FS-4. Generic Services described in this document are (a) Directory Service; (b) Management Service; and (c) Event Service. In addition, the Common Transport (CT) protocol is described. The Common Transport Service provides a common FC-4 for use by Generic Services. The following commands, parameter data, and features defined in previous versions of this standard are made obsolete by this standard: Annex B: Discovery (Informative), Annex C: Time Service (Informative), and Annex D: Performance Server (Informative).

Single copy price: Free

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)

## Projects Withdrawn from Consideration

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

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

BSR/ASAE S365.10-201x, Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment (revision of ANSI/ASAE S365.9-2011)

Inquiries may be directed to Carla VanGilder, (269) 932-7015, [vangilder@asabe.org](mailto:vangilder@asabe.org)

## Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

### **ARMA (ARMA International)**

ANSI/ARMA 5-2010, Vital Records Programs: Identifying, Managing, and Recovering Business-Critical Records

Questions may be directed to: Nancy Barnes, (913) 312-5565, [standards@armaintl.org](mailto:standards@armaintl.org)

### **ARMA (ARMA International)**

ANSI/ARMA 19-2012, Policy Design for Managing Electronic Messages

Questions may be directed to: Nancy Barnes, (913) 312-5565, [standards@armaintl.org](mailto:standards@armaintl.org)

# Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

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

**Office:** 520 N. Northwest Highway  
Park Ridge, IL 60068

**Contact:** *Ovidiu Munteanu*

**Phone:** (847) 232-2012

**E-mail:** OMunteanu@ASSE.org

BSR ASSE Z9.10-201X, Fundamentals Governing the Design and Operation of Dilution Ventilation Systems in Industrial Occupancies (revision and redesignation of ANSI AIHA Z9.10-2010)

## AWS (American Welding Society)

**Office:** 8669 NW 36th Street, #130  
Miami, Florida 33166-6672

**Contact:** *Annik Babinski*

**Phone:** (800) 443-9353

**Fax:** (305) 443-5951

**E-mail:** ababinski@aws.org

BSR/AWS D8.14M-201X, Specification for Automotive Weld Quality - Arc Welding of Aluminum (revision of ANSI/AWS D8.14M-2008)

## 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 510-201x, Information technology - Fibre Channel - Generic Services - 7 (FC-GS-7) (new standard)

BSR/INCITS/ISO/IEC 17823:2015, Colour terminology for office colour equipment (identical national adoption of ISO/IEC 17823:2015)

## NISO (National Information Standards Organization)

**Office:** 3600 Clipper Mill Road  
Suite 302  
Baltimore, MD 21211

**Contact:** *Nettie Lagace*

**Phone:** (301) 654-2512

**Fax:** (410) 685-5278

**E-mail:** nlagace@niso.org

BSR/NISO Z39.99-201x, ResourceSync Framework Specification (revision of ANSI/NISO Z39.99-2014)

## UL (Underwriters Laboratories, Inc.)

**Office:** 333 Pfingsten Road  
Northbrook, IL 60062

**Contact:** *Ritu Madan*

**Phone:** (847) 664-3297

**E-mail:** ritu.madan@ul.com

BSR/UL 1598C-201x, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2014)

BSR/UL 2034-201x, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2016)

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

### **Call for Committee Members**

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

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

- General Interest
- Government
- Producer
- User

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



# Final Actions on American National Standards

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

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

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

ANSI/AAMI/ISO 80369-7-2016, Small-bore connectors for liquids and gases in healthcare applications - Part 7: Connectors with 6% (Luer) taper for intravascular or hypodermic applications (identical national adoption of ISO 80369-7): 9/27/2016

## **AHRI (Air-Conditioning, Heating, and Refrigeration Institute)**

### ***New Standard***

ANSI/AHRI Standard 910 (I-P)-2014, Performance Rating of Indoor Pool Dehumidifiers (new standard): 9/27/2016

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

### ***Addenda***

ANSI/ASHRAE/IES 90.1L-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 9/16/2016

## **NSF (NSF International)**

### ***Revision***

- \* ANSI/NSF 14-2016 (i76r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2015): 9/9/2016
- \* ANSI/NSF 14-2016 (i79r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014): 8/26/2016
- \* ANSI/NSF 14-2016 (i79r2), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014): 9/4/2016
- \* ANSI/NSF 50-2016 (i109r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015): 9/27/2016

# 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.

## ABYC (American Boat and Yacht Council)

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

**Contact:** Lynn Lipsey

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

### \* BSR/ABYC P-21-201x, Manual Hydraulic Steering Systems (revision of ANSI/ABYC P-21-2012)

Stakeholders: Surveyors, consumers, insurance personnel, trade organizations, boat manufacturers, government personnel, boat specialists.

Project Need: This standard identifies safety issues with manual hydraulic steering systems.

This standard is a guide for the design, construction, and installation for remote manual hydraulic steering systems and their major components.

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

**Office:** 275 West Street  
Suite 107  
Annapolis, MD 21401

**Contact:** Ambria Frazier

**E-mail:** [Ambria.frazier@x9.org](mailto:Ambria.frazier@x9.org)

### BSR X9.100-30-2011 (R201x), Optical Measurement Specifications for MICR Documents (reaffirmation of ANSI X9.100-30-2011)

Stakeholders: Check designers, printers, banks, and others who process checks.

Project Need: This will allow the industry to begin the implementation of the new updated standards as presented in those recently adopted revisions. With reopening X9.100-110 and the X9.100-30 standards to include modernized PCS measurement processes, the industry will be in better position to utilize and enforce the important revisions.

The scope of the standard is the specification of the optical measurement methodology for the parameters of reflectance, PCS, DCR, Poxel Count, and opacity which are needed for MICR documents.

### BSR X9.100-161-2010 (R201x), Creating MICR Document Specification Forms (reaffirmation of ANSI X9.100-161-2010)

Stakeholders: Banks and the banks' customers are the target market. All participants in the automated clearing system have a stake in good MICR quality and conformance to X9 standards. This standard identifies to users, the institution-specific requirements for using many X9 standards.

Project Need: This standard is typically used by banks to specify to their customers the MICR and other related requirements. This is usually business customers that do not wish to use a bank's "preferred" print vendors, or desires to print their own checks.

This standard specifies the contents for MICR Document Specification Forms. It may be used to create specifications for the design and manufacture of checks and deposit tickets, as well as other financial-institution MICR documents. The standard is sufficiently flexible to meet the needs of a variety of financial institutions. The standard is not the specification form itself.

### BSR X9.100-170-2010 (R201x), Check Fraud Deterrent Icon (reaffirmation of ANSI X9.100-170-2010)

Stakeholders: Check, ink, and paper manufacturers; financial institutions offering checks to customers; customers wanting to purchase a check with security features designed to deter selected kinds of fraud; and, law enforcement agencies and check associations.

Project Need: This standard is useful in deterring certain kinds of check fraud. The content needs revision to make it more generic in describing the icon used, the location of the icon, and the requirements to meet in using any icon representing check security is present. Rewrite the text to comply with both ANSI and X9 policies. Reinforce the need for printers to comply to legal requirements to register with CPSC, or any other owner of a trademarked icon, before using the specific marks.

This standard establishes the design and usage requirements of a check fraud deterrent icon (CFDI) for visually communicating the presence of security features on a check. The standard specifies minimal overt security features that meet the requirements for deterring both counterfeiting and alteration that printers are to use prior to printing a check fraud deterrent icon onto a check. This standard also establishes the requirements for use of a check fraud deterrent icon, the location on the check for the icon, and the location of and requirements for the associated warning box and verbiage.

### BSR X9.100-183-2010 (R201x), Electronic Check Adjustments (reaffirmation of ANSI X9.100-183-2010)

Stakeholders: Financial Services industry.

Project Need: To provide a format to perform the electronic exchange of check adjustments for the financial services industry.

The purpose of this standard is to provide the financial industry with a format to perform the electronic exchange of check adjustments. The format supports adjustment requests, adjustment notices, and other adjustments-related messages.

**ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact:** Corice Leonard

**Fax:** (610) 834-3683

**E-mail:** accreditation@astm.org

BSR/ASTM F2160-201x, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (new standard)

Stakeholders: Plastic Piping Systems industry.

Project Need: This specification covers material, dimensional, workmanship and performance requirements for polyethylene conduit, duct, and innerduct, manufactured for use in a non-pressure application with communication, CATV, or power wire and cables.

[https://compass.astm.org/EDIT/html\\_annot.cgi?F2160+10](https://compass.astm.org/EDIT/html_annot.cgi?F2160+10)

BSR/ASTM WK56049-201x, New Specification for Treestands, Climbing Sticks and Tripod or Tower Stands (new standard)

Stakeholders: Treestands industry.

Project Need: This specification covers requirements for treestands, climbing sticks and tripod/tower stands that are used for hunting, photographing, or general observation.

<https://www.astm.org/DATABASE.CART/WORKITEMS/WK56049.htm>

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

**Office:** 18927 Hickory Creek Dr Suite 220  
Mokena, IL 60448

**Contact:** Conrad Jahrling

**Fax:** (708) 479-6139

**E-mail:** conrad.jahrling@asse-plumbing.org

\* BSR/ASSE 1089-201x, Performance Requirements for Shower Filtration, Chloramine (new standard)

Stakeholders: Plumbing industry, commercial building construction industry, general public.

Project Need: Develop criteria for a water filtration assembly to reduce chloramines to and/or within showerheads.

Shower filters are designed to reduce contaminants typically found in potable water supply lines, such as chlorine and chloramine. The product improves the showering experience by reducing aesthetic contaminants from supply water. This is a shower filter water treatment device. The major/critical components include: water filter's housing, filtration media, and shower head (when provided) or hand-held shower (when provided).

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

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

**Contact:** Barbara Bennett

**Fax:** (202) 638-4922

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

BSR/INCITS/ISO 19160-1:2015, Addressing - Part 1: Conceptual model (identical national adoption of ISO 19160-1:2015)

Stakeholders: ICT industry.

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

Defines a conceptual model for address information (address model), together with the terms and definitions that describe the concepts in the model. Lifecycle, metadata, and address aliases are included in the conceptual model. The model is presented in the Unified Modeling Language (UML). The model provides a common representation of address information, independent of actual addressing implementations. It is not intended to replace conceptual models proposed in other specifications, but provides a means to cross-map between different conceptual models for address information and enables the conversion of address information between specifications.

BSR/INCITS/ISO/IEC 17823:2015, Colour terminology for office colour equipment (identical national adoption of ISO/IEC 17823:2015)

Stakeholders: ICT industry.

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

Provides definitions for colour terms used with office equipment, in particular for use with colour scanning and printing devices that have digital imaging capabilities, including multi-function devices. This standard is not intended to replace terms and definitions published in documents or user interfaces issued or created by manufacturers.

**NEMA (ASC C78) (National Electrical Manufacturers Association)**

**Office:** 1300 N 17th St  
Rosslyn, VA 22209

**Contact:** Michael Erbesfeld

**E-mail:** Michael.Erbesfeld@nema.org

BSR C78.377-201X, Electric Lamps: Specifications for the Chromaticity of Solid-State Lighting Products (revision of ANSI/NEMA C78.377-2015)

Stakeholders: Manufacturers, users, test labs, lighting specifiers.

Project Need: This project is needed to extend the range of chromaticity recommendations for general lighting with solid-state lighting products to specify chromaticity regions below the blackbody locus that are suitable for some lighting applications. The extended chromaticity range will enable energy efficient LED products designed to replace traditional light sources to be considered for future Energy Star certification.

The purpose of this standard is to specify the range of chromaticities recommended for general lighting with solid-state lighting (SSL) products, as well as to ensure that the white-light chromaticities of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines, and LED luminaires for general indoor lighting applications. This document does not apply to lighting fixtures sold without a light source. This standard does not apply to SSL products for outdoor applications. This standard also does not apply to SSL products for some indoor applications that intentionally produce tinted or colored light. This document does not include OLED products.

# 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).

<p><b>3-A</b> 3-A Sanitary Standards, Inc. 6888 Elm Street Suite 2D McLean, VA 22101-3829 Phone: (703) 790-0295 Fax: (703) 761-6284 Web: <a href="http://www.3-a.org">www.3-a.org</a></p>	<p><b>ASC X9</b> Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: <a href="http://www.x9.org">www.x9.org</a></p>	<p><b>IAPMO (ASSE Chapter)</b> ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Fax: (708) 479-6139 Web: <a href="http://www.asse-plumbing.org">www.asse-plumbing.org</a></p>	<p><b>NEMA (ASC C78)</b> National Electrical Manufacturers Association 1300 N 17th St Rosslyn, VA 22209 Phone: 703-841-3262 Web: <a href="http://www.nema.org">www.nema.org</a></p>
<p><b>AAMI</b> 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: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (678) 539-2138 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>IAPMO (Z)</b> International Association of Plumbing &amp; Mechanical Officials 5001 E. Philadelphia Street Ontario, CA 91761-2816 Phone: (909) 472-4136 Fax: (909) 472-4178 Web: <a href="http://www.iapmort.org">www.iapmort.org</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3299 Web: <a href="http://www.nema.org">www.nema.org</a></p>
<p><b>ABYC</b> American Boat and Yacht Council 613 Third Street, Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: <a href="http://www.abycinc.org">www.abycinc.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>IEEE (ASC C63)</b> Institute of Electrical and Electronics Engineers 445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331 Phone: 732-562-3817 Web: <a href="http://www.ieee.org">www.ieee.org</a></p>	<p><b>NISO</b> National Information Standards Organization 3600 Clipper Mill Road Suite 302 Baltimore, MD 21211 Phone: (301) 654-2512 Fax: (410) 685-5278 Web: <a href="http://www.niso.org">www.niso.org</a></p>
<p><b>ADA (Organization)</b> American Dental Association 211 E. Chicago Ave Chicago, IL 60611 Phone: (312) 440-2533 Fax: (312) 440-2529 Web: <a href="http://www.ada.org">www.ada.org</a></p>	<p><b>ASSE (ASC Z9)</b> American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 232-2012 Web: <a href="http://www.asse.org">www.asse.org</a></p>	<p><b>IIIRC</b> the Institute of Inspection, Cleaning and Restoration Certification 4043 South Eastern Avenue Las Vegas, NV 89119 Phone: (702) 850-2710 Fax: (360) 693-4858 Web: <a href="http://www.thecleantrust.org">www.thecleantrust.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 769-5197 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>
<p><b>AHRI</b> Air-Conditioning, Heating, and Refrigeration Institute 2111 Wilson Boulevard Suite 500 Arlington, VA 22201 Phone: (703) 600-0327 Fax: (703) 562-1942 Web: <a href="http://www.ahrinet.org">www.ahrinet.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street, NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>TAPPI</b> Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Peachtree Corners, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: <a href="http://www.tappi.org">www.tappi.org</a></p>
<p><b>ALI</b> Automotive Lift Institute PO Box 85 80 Wheeler Avenue Cortland, NY 13045 Phone: (607) 756-7775 Fax: (607) 756-0888 Web: <a href="http://www.autolift.org">www.autolift.org</a></p>	<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>MSS</b> Manufacturers Standardization Society 127 Park Street, NE Vienna, VA 22180-4602 Phone: (703) 281-6613 Fax: (703) 281-6671 Web: <a href="http://www.mss-hq.org">www.mss-hq.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709 -3995 Phone: (919) 549-1851 Web: <a href="http://www.ul.com">www.ul.com</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: <a href="http://www.ans.org">www.ans.org</a></p>	<p><b>AWS</b> American Welding Society 8669 NW 36th Street, #130 Miami, Florida 33166-6672 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: <a href="http://www.aws.org">www.aws.org</a></p>	<p><b>NCSBN</b> National Council of State Boards of Nursing 111 E. Wacker Drive, Suite 2900 Chicago, IL 60601-4277 Phone: (312) 525-3681 Fax: (312) 279-1032 Web: <a href="http://www.ncsbn.org">www.ncsbn.org</a></p>	
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>CSA</b> CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: <a href="http://www.csa-america.org">www.csa-america.org</a></p>		



# 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

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

ISO/DIS 1464, Aerospace - Tripod jacks - Clearance dimensions - 10/21/2016, \$40.00

ISO/DIS 9667, Aircraft ground support equipment - Tow bars - 10/21/2016, \$40.00

ISO/DIS 9788, Air cargo - Double stud tie-down fittings - Design and testing requirements - 10/21/2016, \$53.00

ISO/DIS 10842, Aircraft - Locations and type of ground service connections - 12/7/2016, \$53.00

ISO/DIS 21100, Air cargo unit load devices - Performance requirements and test parameters - 10/21/2016, \$107.00

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

ISO/DIS 11195, Gas mixers for medical use - Stand-alone gas mixers - 10/21/2016, \$67.00

ISO/DIS 80601-2-55, Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors - 10/23/2016, \$134.00

IEC/DIS 80601-2-59, Medical electrical equipment - Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening, \$98.00

### **BUILDING CONSTRUCTION (TC 59)**

ISO/DIS 13640, Buildings and civil engineering works - Sealants - Specifications for test substrates - 10/21/2016, \$40.00

### **EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)**

ISO/DIS 7240-5, Fire detection and alarm systems - Part 5: Point heat detectors - 11/5/2026, \$102.00

### **GEOSYNTHETICS (TC 221)**

ISO 10318-1/DAmD1, Geosynthetics - Part 1: Terms and definitions - Amendment 1 - 10/21/2016, \$29.00

ISO 10318-2/DAmD1, Geosynthetics - Part 2: Symbols and pictograms - Amendment 1 - 10/21/2016, \$29.00

### **GRAPHIC TECHNOLOGY (TC 130)**

ISO/DIS 2846-1, Graphic technology - Colour and transparency of printing ink sets for four-colour printing - Part 1: Sheet-fed and heat-set web offset lithographic printing - 10/19/2016, \$77.00

### **LEATHER (TC 120)**

ISO/DIS 11410, Leather - Guidelines for packaging of wet blue leather - 12/21/2016, \$33.00

ISO/DIS 17551, Leather - Pickled sheep pelts - Guidelines for grading on the basis of defect and size - 12/18/2016, \$40.00

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

ISO 3183/DAmD1, Petroleum and natural gas industries - Steel pipe for pipeline transportation systems - Amendment 1 - 10/23/2016, \$71.00

### **MEDICAL DEVICES FOR INJECTIONS (TC 84)**

ISO/DIS 7886-3, Sterile hypodermic syringes for single use - Part 3: Auto-disabled syringes for fixed-dose immunization - 12/21/2016, \$71.00

### **MICROBEAM ANALYSIS (TC 202)**

ISO/DIS 20263, Microbeam analysis - Analytical transmission electron microscopy - Determination method for interface position in the cross-sectional image of the layered materials - 12/18/2016, \$107.00

### **NUCLEAR ENERGY (TC 85)**

ISO/DIS 22875, Nuclear energy - Determination of chlorine and fluorine in uranium dioxide powder and sintered pellets - 10/20/2016, \$62.00

ISO/DIS 19461-1, Radiological protection - Measurement for the clearance of waste contaminated with radioisotopes for medical application - Part 1: Measurement of radioactivity - 12/21/2016, \$71.00

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

ISO/DIS 9849, Optics and optical instruments - Geodetic and surveying instruments - Vocabulary - 11/6/2028, \$82.00

**OTHER**

ISO/DIS 4098, Leather - Chemical tests - Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter - 12/19/2016, \$40.00

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

ISO/DIS 11365, Petroleum and related products - Maintenance and use guide for triaryl phosphate ester turbine control fluids - 12/29/2034, \$77.00

**PLASTICS (TC 61)**

ISO 2797/DAmD1, Textile glass - Rovings - Basis for a specification - Amendment 1 - 10/20/2016, \$29.00

ISO 3616/DAmD1, Textile glass - Chopped-strand and continuous-filament mats - Determination of average thickness, thickness under load and recovery after compression - Amendment 1 - 10/20/2016, \$29.00

ISO 5025/DAmD1, Reinforcement products - Woven fabrics - Determination of width and length - Amendment 1 - 10/20/2016, \$29.00

ISO/DIS 19927, Fibre-reinforced plastic composites - Determination of interlaminar strength and modulus by double beamshear test - 10/22/2016, \$82.00

**ROAD VEHICLES (TC 22)**

ISO/DIS 19206-1, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 1: Requirements for passenger vehicle rear-end targets - 12/23/2016, \$71.00

ISO/DIS 19206-2, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 2: Requirements for pedestrian targets - 12/23/2016, \$88.00

**ROLLING BEARINGS (TC 4)**

ISO/DIS 12297-2, Rolling bearings - Cylindrical rollers - Part 2: Ceramic rollers - Boundary dimensions, geometrical product specifications (GPS) and tolerance values - 10/22/2016, \$67.00

**STEEL (TC 17)**

ISO/DIS 4829-1, Steel and cast iron - Determination of total silicon contents - Reduced molybdenosilicate spectrometric method - Part 1: Silicon contents between 0,05 % and 1,0 % - 12/22/2016, \$58.00

**STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)**

ISO/DIS 11737-1, Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on product - 10/21/2016, \$134.00

**TOBACCO AND TOBACCO PRODUCTS (TC 126)**

ISO/DIS 20778, Cigarettes - Routine analytical cigarette smoking machine - Definitions and standard conditions with an intense smoking regime - 10/21/2016, \$77.00

ISO/DIS 20779, Cigarettes - Generation and collection of total particulate matter using a routine analytical smoking machine with an intense smoking regime - 10/21/2016, \$71.00

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

ISO/IEC DIS 17203, Information technology - Open Virtualization Format (OVF) specification - 10/23/2016, \$134.00

ISO/IEC DIS 19944, Information technology - Cloud computing - Cloud services and devices: data flow, data categories and data use - 10/21/2016, \$155.00

ISO/IEC DIS 21964-1, Information technology - Office machines - Destruction of data carriers - Part 1: Principles and definitions - 12/22/2016, \$40.00

ISO/IEC DIS 21964-2, Information technology - Office machines - Destruction of data carriers - Part 2: Requirements for equipment for destruction of data carriers - 12/22/2016, \$58.00

ISO/IEC DIS 21964-3, Information technology - Office machines - Destruction of data carriers - Part 3: Process of destruction of data carriers - 12/22/2016, \$58.00

**IEC Standards**

14/872/CD, IEC/IEEE 60076-57-15 Ed.1: Power transformers - Part 57-15: Standard requirements, terminology, and test code for step-voltage regulators, 11/25/2016

22E/178/FDIS, IEC 62909-1 Ed.1: Bi-directional grid-connected power converters - Part 1: General requirements, 11/11/2016

23E/978/CDV, IEC 63024 Ed.1: Requirements for Automatic Reclosing Devices (ARDs) for circuit-breakers, RCBs, RCCBs for household and similar uses, 12/23/2016

32A/319/NP, Additional testing requirements for high-voltage expulsion fuses utilizing polymeric insulators, 12/23/2016

37B/154/CDV, IEC 61643-331/Ed2: Components for low-voltage surge protection - Part 331: Performance requirements and test methods for metal oxide varistors (MOV), 12/23/2016

40/2496/CD, IEC 60384-26 Ed.2: Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte, 12/23/2016

46A/1317/FDIS, IEC 60096-0-1/Ed3 Amd1 - Part 0-1: Guide to the design of detail specifications - Coaxial cables, 11/11/2016

46F/351/CDV, IEC 61169-59 ed 1.0: Radio-Frequency Connectors - Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin radio-frequency connectors, 12/23/2016

47/2324/CD, IEC 62435-4 Ed.1: Electronic components - Long-term storage of electronic semiconductor devices - Part 4: Storage, 12/23/2016

48D/620/CDV, IEC 61587-6/Ed.1: Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 6: Security aspects for indoor cabinets, 12/23/2016

59/661/Q, IEC 61176 Ed 1, Hand-held electric mains voltage operated circular saws - Methods for measuring the performance - Maintenance, 11/11/2016

59/662/Q, IEC 61214 Ed 1, Hand-held mains voltage operated spray guns - Performance requirements - Maintenance, 11/11/2016

61B/572A/CD, IEC 60335-2-25/Ed7: Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, 01/13/2017

61B/573A/CD, IEC 60335-2-90-A1/Ed4: Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, 01/13/2017

62D/1376/CDV, IEC 80601-2-59: Medical Electrical Equipment - Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening, 12/23/2016

62D/1415/CDV, IEC 80601-2-55: Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors, 12/23/2016

82/1182/FDIS, IEC 61215-1-2 Ed.1: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules, 11/11/2016

- 82/1183/FDIS, IEC 61215-1-3 Ed.1: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules, 11/11/2016
- 82/1184/FDIS, IEC 61215-1-4 Ed.1: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)<sub>2</sub> based photovoltaic (PV) modules, 11/11/2016
- 86A/1765/FDIS, IEC 60794-2-22/Ed1: Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables to be terminated with connectors, 11/11/2016
- 86B/4029/CD, IEC 61755-2-1/Ed2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 2-1: Connection parameters of non-dispersion shifted single-mode physically contacting fibres - Non-angled, 11/25/2016
- 86B/4031/CD, IEC 61755-2-2/Ed2: Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 2-2: Connection parameters of non-dispersion shifted single-mode physically contacting fibres - Angled, 11/25/2016
- 95/354/CD, IEC/IEEE 60255-118-1 Ed.1: Measuring relays and protection equipment - Part 118-1: Synchrophasor for power systems - Measurements, 11/25/2016
- 108/664/FDIS, IEC 62949/Ed1: Particular safety requirements for equipment to be connected to information and communication networks, 11/11/2016
- 117/60/CD, EC 62862-1-1 TS Ed.1: Solar thermal electric plants. Part 1-1: Terminology, 12/30/2016
- 119/118/NP, IEC 62899-201-2: Printed electronics - Part 201-2: Materials - Evaluation method of stretchable substrates, 12/23/2016
- 119/119/NP, IEC 62899-202-4: Printed electronics - Part 202-4: Materials - Evaluation method of stretchable functional ink (conductive ink and insulator layer), 12/23/2016
- CIS/H/311/CDV, Amendment 2 to IEC 61000-6-4 Ed.2: Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments, 12/23/2016
- CIS/H/312/CDV, Amendment 2 to IEC 61000-6-3: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments, 12/23/2016





# 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

### ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

[ISO 5366:2016](#), Anaesthetic and respiratory equipment - Tracheostomy tubes and connectors, \$149.00

### DENTISTRY (TC 106)

[ISO 17509:2016](#), Dentistry - Torque transmitter for handpieces, \$51.00

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

[ISO 18391:2016](#), Geometrical product specifications (GPS) - Population specification, \$123.00

[ISO 10360-12:2016](#), Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 12: Articulated arm coordinate measurement machines (CMM), \$200.00

### EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 14520-2:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 2: CF3I extinguishant, \$51.00

[ISO 14520-5:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 5: FK-5-1-12 extinguishant, \$88.00

[ISO 14520-6:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 6: HCFC Blend A extinguishant, \$88.00

[ISO 14520-8:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 8: HFC 125 extinguishant, \$88.00

[ISO 14520-9:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 9: HFC 227ea extinguishant, \$88.00

[ISO 14520-10:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 10: HFC 23 extinguishant, \$88.00

[ISO 14520-11:2016](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 11: HFC 236fa extinguishant, \$88.00

### HEALTH INFORMATICS (TC 215)

[ISO/IEEE 11073-10418/Cor1:2016](#), Health informatics - Personal health device communication - Part 10418: Device specialization - International Normalized Ratio (INR) monitor - Corrigendum, FREE

### INDUSTRIAL TRUCKS (TC 110)

[ISO 10896-7:2016](#), Rough-terrain trucks - Safety requirements and verification - Part 7: Longitudinal load moment systems, \$88.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 11381:2016](#), Ophthalmic optics - Spectacle frames - Screw threads, \$51.00

### SOLAR ENERGY (TC 180)

[ISO 22975-1:2016](#), Solar energy - Collector components and materials - Part 1: Evacuated tubes - Durability and performance, \$173.00

[ISO 22975-2:2016](#), Solar energy - Collector components and materials - Part 2: Heat-pipes for solar thermal application - Durability and performance, \$149.00

### SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 23537-1:2016](#), Requirements for sleeping bags - Part 1: Thermal and dimensional requirements, \$149.00

[ISO 23537-2:2016](#), Requirements for sleeping bags - Part 2: Fabric and material properties, \$51.00

### TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

[ISO 8536-13:2016](#), Infusion equipment for medical use - Part 13: Graduated flow regulators for single use with fluid contact, \$51.00

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

[ISO 19079:2016](#), Intelligent transport systems - Communications access for land mobiles (CALM) - 6LoWPAN networking, \$149.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 9995-9:2016](#), Information technology - Keyboard layouts for text and office systems - Part 9: Multi-lingual, multiscript keyboard layouts, \$265.00

[ISO/IEC 27036-4:2016](#), Information technology - Security techniques - Information security for supplier relationships - Part 4: Guidelines for security of cloud services, \$149.00

## IEC Standards

### NUCLEAR INSTRUMENTATION (TC 45)

[IEC 62671 Ed. 1.0 b cor.1:2016](#), Corrigendum 1 - Nuclear power plants - instrumentation and control important to safety - Selection and use of industrial digital devices of limited functionality, \$0.00

### SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-1 Amd.2 Ed. 5.0 b cor.1:2016](#), Corrigendum 1 - Amendment 2 - Household and similar electrical appliances - Safety - Part 1: General requirements, \$0.00

### WIND TURBINE GENERATOR SYSTEMS (TC 88)

[IEC 61400-12-2 Ed. 1.0 b cor.1:2016](#), Corrigendum 1 - Wind turbines - Part 12-2: Power performance of electricity-producing wind turbines based on nacelle anemometry, \$0.00

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## PUBLIC REVIEW

ISSQUARED

Public Review: August 26 to November 26, 2016

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# 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

### Call for Members

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at [jgarner@itic.org](mailto:jgarner@itic.org) or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

### Society of Cable Telecommunications

#### ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its 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).

## ANSI Accredited Standards Developers

### Approval of Reaccreditation

#### ASC A108 – Installation of Ceramic Tile

The reaccreditation of Accredited Standards Committee A108, Installation of Ceramic Tile has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC A108-sponsored American National Standards, effective September 29, 2016. For additional information, please contact the Secretariat of ASC A108: Ms. Katelyn Simpson, Laboratory Manager, ASC 108 Secretary, Tile Council of North America, 100 Clemson Research Boulevard, Anderson, SC 29625; phone: 864.646.8453, ext. 215; e-mail: [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com).

#### The National Board of Boiler and Pressure Vessel Inspectors (NBBPVI)

The reaccreditation of The National Board of Boiler and Pressure Vessel Inspectors (NBBPVI), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under NBBPVI's recently revised National Board Inspection Code Procedure for documenting consensus on NBBPVI-sponsored American National Standards, effective October 4, 2016. For additional information, please contact: Mr. Brad Besserman, Staff Engineer, National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Avenue, Columbus, OH 43229; phone: 614.431.3236; e-mail: [BBesserman@nationalboard.org](mailto:BBesserman@nationalboard.org).

## International Organization for Standardization (ISO)

### Call for U.S. TAG Participants

#### ISO/TC 161 – Controls and protective devices for gas and/or oil and WG 5

Please be advised that the scope for ISO/TC 161– Controls and protective devices for gas and/or oil has expanded.

ISO/TC 161 operates under the following new scope:

Controls and protective devices for burners, appliances using gas and/or oil. This includes controls for residential, commercial and industrial applications and fuel supply installations, also includes high pressure controls for use in gas transmission, distribution and installations.

Excluded are materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries applications which are covered by the scope of ISO/TC 6.

Air-Conditioning, Heating and Refrigeration Institute, the ANSI-accredited U.S. TAG Administrator for ISO/TC 161, is seeking participants for the U.S. TAG and/or ISO/TC 161/WG 5 – High pressure controls for use in gas, transmission, distribution and installations. All U.S. stakeholder organizations in relevant fields and industries are strongly encouraged to become involved.

Organizations interested in participating on the U.S. TAG should contact the U.S. TAG Secretary, Maryline Lamborn ([MLamborn@ahrinet.org](mailto:MLamborn@ahrinet.org)), or ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## Establishment of ISO Technical Committees

### ISO/TC 307 – Blockchain and Electronic Distributed Ledger Technologies

A new ISO Technical Committee, ISO/TC 307 – Blockchain and electronic distributed ledger technologies, has been formed. The Secretariat has been assigned to Australia (SA).

ISO/TC 307 operates under the following scope:

Standardization of blockchains and distributed ledger technologies to support interoperability and data interchange among users, applications and systems.

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

### ISO/TC 309 – Organizational Governance

A new ISO Technical Committee, ISO/TC 309 – Organizational governance, has been formed. The Secretariat has been assigned to the United Kingdom (BSI).

ISO/TC 309 operates under the following scope:

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

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

## Establishment of ISO Project Committee

### ISO/PC 308 – Chain of Custody

A new ISO Project Committee, ISO/PC 308 – Chain of custody, has been formed. The Secretariat has been assigned to the Netherlands (NEN).

ISO/PC 308 operates under the following scope:

Standardization in the field of chain of custody.

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

## Establishment of ISO Subcommittee

### ISO/TC 201/SC 10 – X-ray Reflectometry (XRR) and X-ray Fluorescence (XRF) Analysis

A new ISO Technical Committee, ISO/TC 201/SC 10 – X-ray Reflectometry (XRR) and X-ray Fluorescence (XRF) Analysis, has been formed. The Secretariat has been assigned to Japan (JISC).

ISO/TC 201/SC 10 operates under the following scope:

Standardization of methods for instrument specification, instrument calibration, instrument operation, data acquisition, data processing, and data analysis in the use of X-ray Reflectometry (XRR) and X-ray Fluorescence (XRF) Analysis for surface chemical and structural analysis.

ASTM International has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## ISO Proposals for a New Fields of ISO Technical Activity

### Collaborative Business Relationship Management

#### Comment Deadline: November 4, 2016

BSI, the ISO member body for the UK and secretariat of ISO Project Committee 286, has submitted to ISO a proposal for a new field of ISO technical activity on Collaborative business relationship management, with the following scope statement:

Standardization in the field of collaborative business relationship management.

Please note that BSI proposed a new work item proposal on this subject in 2013 which was approved and the standard has been developed under ISO/PC 286. As argued in the proposal, during the development of ISO 11000 (Collaborative business relationship management systems – Framework), the need for supporting documents became apparent, and this proposal seeks to gain support for an ISO/TMB decision to convert the project committee into a technical committee to address these additional projects.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, November 4, 2016.

### New Secretariats

### ISO/TC 184/SC 5 – Interoperability, integration, and architectures for enterprise systems and automation applications

#### Comment Deadline: October 20, 2016

Rockwell Automation has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 184/SC 5 secretariat to Rockwell Automation. The secretariat was previously held by Electronic Commerce Code Management Association (ECCMA) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 184/SC 5 operates under the following scope:

Development of standards in the field of Interoperability, integration, and architectures for enterprise systems and automation applications within the scope of ISO/TC 184:

Standardization in the field of automation systems and their integration for design, sourcing, manufacturing, production and delivery, support, maintenance and disposal of products and their associated services. Areas of standardization include information systems, automation and control systems and integration technologies.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## U.S. Technical Advisory Groups

### Approval of Reaccreditation

#### ASME-Sponsored U.S. TAGs to ISO

ANSI's Executive Standards Council has approved the reaccreditation of all ASME-sponsored U.S. Technical Advisory Group to ISO technical committees and subcommittees under recently revised operating procedures, effective October 5, 2016. For additional information, please contact: Mr. William Berger, Managing Director, ASME, 2 Park Avenue, 6th Floor, New York, NY 10016-5990; phone: 212.591.8520; e-mail: [bergerw@asme.org](mailto:bergerw@asme.org).

# Meeting Notice

## U.S. TAG to TC 310 – Energy Management and Energy Savings

The U.S. TAG to TC 301 Energy Management and Energy Savings will be meeting at 1899 L St NW, Washington, DC 20036, November 29-30, 2016.

The meeting will be to review the international comments on documents including ISO CD2 50001 and finalize the U.S. positions for the upcoming Working Group meetings in January 2017.

Anyone interested in attending should contact Deann Desai at [deann.desai@gatech.edu](mailto:deann.desai@gatech.edu) or Melody McElwee at [melody.mcelwee@innovate.gatech.edu](mailto:melody.mcelwee@innovate.gatech.edu). We welcome participation in this session.

DRAFT 10/7/16

NCSBN-002

*TITLE OF STANDARD*

REPORTING OF DISCIPLINARY ACTIONS BY BOARDS OF NURSING

*FOREWORD*

In November 2013, the National Council of State Boards of Nursing (NCSBN) received the designation of American National Standards Institute (ANSI) Accredited Standards Developer Organization. In support of NCSBN's mission, this designation is for the purpose of developing and promoting increased recognition and voluntary adoption of standards of excellence in the regulation of nursing practice through nurse licensure and competency assessment throughout the U.S. and its territories.

This standard has been developed by the NCSBN Standards Development Committee with the intention that it will be submitted to ANSI for adoption as a national standard.

*EXPLANATION OF NEED*

The primary purpose of boards of nursing (BON) is to protect the public. Violations of the state nurse practice act may result in adverse action on a license. It is incumbent on BONs to report the adverse actions taken on a nurse to a shared database in order to protect the public when nurses relocate to another state or practice remotely across state borders.

*STATEMENT OF SCOPE*

This standard relates to a board of nursing reporting disciplinary actions to a shared database.

*IDENTIFICATION OF STAKEHOLDERS*

The NCSBN Standards Development Committee (NSDC) has identified the following stakeholders related to this standard:

Member boards

*NOMENCLATURE*

Board of Nursing – the entity within a state, territory or other jurisdiction of the United States responsible for the regulation of nurses and nursing practice. The entity is considered a primary source of licensing information.

Coordinated licensure information system – an integrated process for collecting, storing, and sharing primary source information on nurse licensure and enforcement activities related to nurse licensure laws that is administered by a nonprofit organization composed of and controlled by licensing boards.

Disciplinary action – an adverse action on a nurse’s license taken by a board of nursing and as defined by the National Practitioners Data Bank (NPDB)

#### *EXISTING STANDARDS*

No existing standards have been identified.

#### *DRAFT STANDARD (COPYRIGHT NCSBN)*

1.0 A board of nursing shall report all final disciplinary actions it takes against a licensee to a coordinated licensure information system.

2.0 A board of nursing shall make a report pursuant to Section 1.0 of this Standard no later than 15 calendar days from the entry of the disciplinary action.

#### *WRITTEN INTERPRETATION OF THE STANDARD*

The purpose of this Standard is to provide for reporting of disciplinary actions by a board of nursing to a coordinated licensure information system in order to inform other boards of nursing of the adverse action. NCSBN maintains such a coordinated licensure information system and reports required actions to the NPDB.

While the National Practitioner Data Bank’s (NPDB) policies and guidelines are used to determine what constitutes final disciplinary action for purposes of reporting, the NPDB is not a coordinated licensure information system as defined by this Standard. The requirement to report to the NPDB is independent of this Standard.

DRAFT 10/7/16

NCSBN-003

*TITLE OF STANDARD*

PRIMARY SOURCE VERIFICATION OF LICENSURE BY ENDORSEMENT

*FOREWORD*

In November 2013, the National Council of State Boards of Nursing (NCSBN) received the designation of American National Standards Institute (ANSI) Accredited Standards Developer Organization. In support of NCSBN's mission, this designation is for the purpose of developing and promoting increased recognition and voluntary adoption of standards of excellence in the regulation of nursing practice through nurse licensure and competency assessment throughout the U.S. and its territories.

This standard has been developed by the NCSBN Standards Development Committee with the intention that it will be submitted to ANSI for adoption as a national standard.

*EXPLANATION OF NEED*

The primary purpose of boards of nursing (BON) is to protect the public. BONs issue licenses to qualified individuals. Nurses often relocate to other states and practice remotely across state borders. In order to insure a properly vetted workforce, boards of nursing must receive primary source information on current licensure that is both accurate and timely. Current use of paper documents present a greater risk for fraud than those sent through a secure electronic transmission.

*STATEMENT OF SCOPE*

This standard relates to a board of nursing issuing primary source verification of licensure through a secure electronic transmission for endorsement of an applicant to another board of nursing.

*IDENTIFICATION OF STAKEHOLDERS*

The NCSBN Standards Development Committee (NSDC) has identified the following stakeholders related to this standard:

Member boards



## *NOMENCLATURE*

Board of Nursing – the entity within a state, territory or other jurisdiction of the United States responsible for the regulation of nurses and nursing practice. The entity is considered a primary source of licensing information.

Coordinated licensure information system - an integrated process for collecting, storing, and sharing of primary source information on nurse licensure and enforcement activities related to nurse licensure laws that is administered by a nonprofit organization composed of and controlled by licensing boards

Secure electronic transmission – encrypted transmission from and to a system which enforces approved user access to control the flow of information within the system and between interconnected systems, and also protects the confidentiality and integrity of information at rest.

## *EXISTING STANDARDS*

No existing standards have been identified.

## *DRAFT STANDARD (COPYRIGHT NCSBN)*

1.0 A Board of Nursing shall conduct primary source verification of licensure on an applicant for licensure by endorsement.

2.0 Primary source verification shall be obtained from a board of nursing or a coordinated licensure information system.

Section 2.1 The coordinated licensure information system shall be a board of nursing designated primary source equivalent information system.

3.0 Primary source verification shall be obtained via a secure electronic transmission from the board of nursing or the coordinated licensure information system.

4.0 The primary source shall provide license verification within ten business days.

## *WRITTEN INTERPRETATION OF THE STANDARD*

The purpose of this Standard is to describe a mechanism to obtain primary source verification of a license from one board of nursing for the purpose of endorsement

into another board of nursing. Electronic transmission will accomplish verification efficiently and securely to decrease potential for fraud.

DRAFT

## BSR/UL 1201, Standard for Electric Heating Appliances

### 1. The Proposed First Edition of the Joint UL/ULC Standard for Sensor Operated Backwater Prevention Systems, CAN/ANSI/ULC/UL 1201

15.3.1 A battery employed as the secondary power supply shall be of a rechargeable type, and meet requirements of Standard For Safety For Household and Commercial Batteries, UL 2054. The maximum charging current, as well as the maximum trickle charging current available, shall not exceed the battery manufacturer's recommendations.

15.3.7 Cells constructed of lithium metal, lithium alloy or lithium ion, that are used in batteries, shall meet the requirements in the Standard for Lithium Batteries, UL 1642

#### 22.5 ABS

22.5.1 Sensor operated backwater prevention system bodies manufactured from acrylonitrile-butadiene-styrene (ABS) shall conform to the physical property requirements contained in ASTM D3965 or CSA B181.1. The minimum cell classification shall be 3-2-2-2-2. The minimum thickness for the casting bodies shall be 3.96 mm (5/32 in.). Inserts for fasteners in plastic shall be molded into the plastic material. Clean, rework plastic generated from the manufacturer's own product and conforming to the cell requirements shall be permitted to be used provided that the valves comply with all requirements of this Standard.

#### 22.6 PVC

22.6.1 Sensor operated backwater prevention system bodies manufactured from polyvinyl chloride (PVC) shall conform to the physical property requirements contained in ASTM D1784 or CSA B181.2. The cell classification shall be 12454-B, 12454-C, or 14333-D. The minimum thickness shall be 3.96 mm (5/32 in.). Inserts for fasteners in plastic drains shall be molded into the plastic material. Clean, rework plastic generated from the manufacturer's own product and conforming to the cell requirements shall be permitted to be used provided that it comply with all requirements of this Standard.

#### 23.1 Hub and spigot

23.1.1 Hub and spigot connections shall conform to ASTM A74 or CSA B70 for soil pipe and fittings or shall conform to ASTM D2665/CSA B181.1 for ABS materials or ASTM D2661/ CSA B181.2 for PVC material for DWV pipe and fittings.

34.2.3 A control unit shall be in the normal supervisory "standby" condition and prepared for normal signaling and actuation operation when it is connected to related devices and circuits as specified on the installation wiring diagram provided by the manufacturer. A "power on" visual indication shall be obtained.

34.2.4 The operation of any sensing device shall cause the control unit to operate related indicating devices so as to produce a clearly defined signal, different from a T3 and T4 alarm signal, of the type for which the combination is designed.

~~34.2.5 Operation of the test switch shall result in the same indication as operation of an initiating device.~~

~~34.2.6 Initiating circuits of a control unit shall be latched until the control unit is manually reset.~~

~~34.2.7 If the "off-normal" position of any normally preset mechanism or similar part of a control unit requires manual restoration in order to permit normal signaling performance of the control unit, such position shall be indicated by a visual or audible trouble signal.~~

34.2.8 The normal operation of a ~~residential~~ backwater valve control unit shall not depend upon any ground connection.

34.3.5 A single break or single ground fault in any ~~initiating~~ signaling device or indicating device circuit or any circuit extending from the control unit

34.3.6 A fault condition, open circuit ground, or short circuit of other than a backwater valve circuit or initiation circuit of a ~~combination~~ control unit shall not affect the backwater valve actuation ~~signaling~~.

34.3.7 A trouble signal shall be distinctive from all ~~alarm~~ other signals. ~~In a combination system the same trouble system may be employed for both backwater valve and non-backwater valve circuits.~~

34.3.9 Circuits for audio power amplifiers, preamplifiers and tone generators used for alarm signaling shall be supervised in the standby condition so that the operation of protective circuits, or devices within these units, will activate a trouble indication.

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## BSR/UL 217, Standard for Safety for Smoke Alarms

### PROPOSAL

#### 1. Updates to Polyurethane Flaming and Smoldering and Cooking Nuisance Tests

51.1.5 Smoke alarms shall also be subjected to the following tests:

- a) Flaming polyurethane foam test, 51.4,
- b) Smoldering polyurethane foam test, section 53,
- c) Cooking nuisance test, section 54.

51.4.1.2.1 Foam test samples shall be cut horizontally with the longest sample dimension parallel to the bun machine direction, not less than 12 in. (30.548 cm) from top and bottom of bun and not less than 12 in. from bun sidewalls as shown in Figure 51.3.

52.3 Unless specifically indicated otherwise in the alarm installation instructions, the alarms are to be installed in the least favorable position for smoke entry (except where noted in 51.5.3) with respect to the smoldering smoke source as determined by the Directionality Test, Section 43. Smoke alarms adjusted to the minimum smoke alarm sensitivity are to be employed for this test. Alarms shall also comply with the Smoldering Polyurethane Foam test specified in section 53.

53.1.2.1 Foam test samples shall be cut horizontally with the longest sample dimension parallel to the bun machine direction, not less than 12 in. (30.548 cm) from top and bottom of bun and not less than 12 in. from bun sidewalls as shown in Figure 53.1.

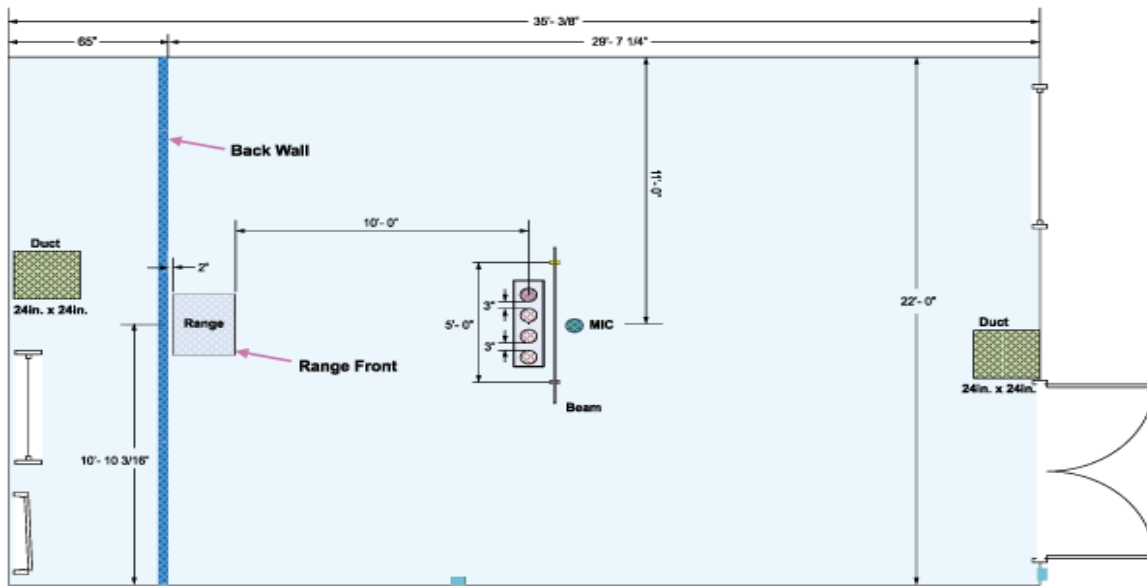
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(REVISED)  
Figure 54.1

Fire test room electric range and smoke alarm placement

(NOTE: This figure corrected to specify 65" instead of 65'- 0")

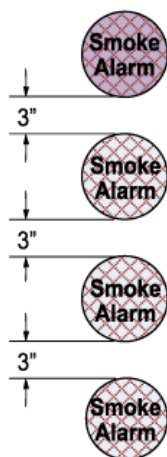
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(CURRENT)  
Figure 54.2  
Smoke alarm spacing

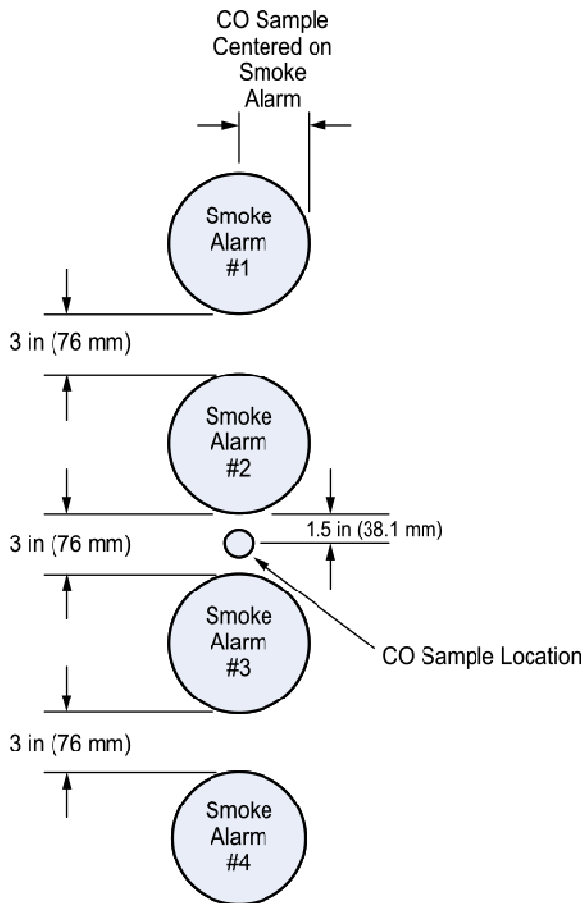


su2174

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(REVISED)  
**Figure 54.2**  
**Smoke alarm spacing**



su2174c

54.4.2.1 Two fresh-frozen hamburgers shall be equally spaced on the center of a broiler tray which is equally spaced in the center of a baking rack inside the oven of the electric range. The door to the oven on the electric range shall be closed such that the opening between the "Inside Surface of Range Door" and the "Front Surface" of the oven door of the electric range maintains a gap of  $4.5 \pm 1$  in. ( $11.5 \pm 2.54$  cm). The opening between the "Inside Surface of Range Door" and the "Front Surface" of the oven door of the electric range shall be maintained for the duration of the test. See Figure 54.3, Electric Range Oven Door Opening, for description details.

54.4.3.3 Carbon monoxide shall be measured and recorded and shall not exceed the limit specified in 54.4.6.1 when conducting this test. The CO measuring equipment shall either be range selectable by the user or have auto range capability for measuring up to 10 ppm of carbon monoxide. The sample draw for the CO monitor location shall not exceed 0.12 ft<sup>3</sup>/min (3.3 L/min).

54.4.3.4 The carbon monoxide sampling tube shall be centered between the 2nd and 3rd smoke alarm as illustrated in Figure 54.2. The sample tube shall not be larger than the rated 1/4 in (6.4 mm) O.D. tubing, and shall protrude from the ceiling surface  $1 \pm 0.125$  in ( $25.4 \pm 3.2$  mm) into the room from the ceiling surface. Centering of the test samples (alarms) and CO sample tube shall be within  $\pm 10\%$  of the specified dimensions illustrated in Figures 54.1 and 54.2.



54.4.3.5 Beam and MIC placement shall be located in the 10-foot location as noted in Figure 54.1, with the same Beam and MIC placement as specified in Figure 51.7, Fire Test Room, items C, D, E and F.

54.4.6.1 The development of the combined smoke and carbon monoxide from a broiling hamburger shall be such that the curve of the measured data falls between the upper and lower limits specified in the figures below:

- a) Figure 54.4, OBS vs. Time
- b) Figure 54.5, MIC vs. Time
- c) Figure 54.6, OBS vs. MIC
- d) ~~Figure 54.7, CO vs. OBS.~~

54.4.6.2 For Figure 54.7, CO vs. OBS, the curve of the measured data may fall between the upper and lower limits but shall not exceed the upper limit specified in the figure.

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## BSR/UL 499, Standard for Electric Heating Appliances

### 1. Power Limits for Steam-Bath Generators

68.2 These requirements also cover electrically energized products that generate steam for other than space heating purposes and have an electrical power rating of 15 kW or less per steam generating vessel.

68.3 Steam generating products having an electrical input power rating of more than 15 kW per steam generating vessel are to be evaluated by the requirements in the Standard for Heating, Water Supply, and Power Boilers - Electric, UL 834.

68.4 Each steam generating vessel in a multi-vessel unit shall comply with these requirements. The unit shall also be provided with the marking in 53.42.

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**BSR/UL 1598C, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits****PROPOSAL**

1.6 This standard does not cover retrofit luminaire conversion kits for amateur movie lights; aquarium lights, cabinet lights, decorative lighting strings, combination fan/IR lamps used for heating, electric signs, exit signs, junction boxes for swimming pool fixtures, lamp adapters, low-level path marking and lighting systems, low-voltage landscape lighting, low voltage lighting fixtures for use in recreational vehicles, low voltage marine lighting, luminaires for hazardous locations, luminaires for recreational vehicles, marine navigational lights, ~~marine-type fixtures~~, portable electric displays, portable hand lamps, portable luminaires, portable sun/heat lamps, self-ballasted lamps and lamp adapters, stage and studio luminaires, submersible luminaires, swimming pool luminaires, temporary lighting strings, therapeutic lamps, track lighting systems, under-cabinet lights and cord-connected under-cabinet lights, and unit equipment for emergency lighting.

1.7 Additional requirements for LED retrofit luminaire conversion kits intended for marine luminaires (marine-type fixtures) are in Supplement SA.

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**SUPPLEMENT SA - ADDITIONAL REQUIREMENTS FOR LED RETROFIT CONVERSION KITS FOR MARINE LUMINAIRES****SA1 Scope**

SA1.1 These requirements apply to retrofit kits intended for luminaires covered by the scope of the Standard for Supplemental Requirements for Luminaires for Installation on Marine Vessels, [UL 1598A](#).

SA1.2 Applications excluded from the scope of the Standard for Supplemental Requirements for Luminaires for Installation on Marine Vessels, [UL 1598A](#), are also excluded from the scope of this supplement.

SA1.3 All requirements in the main body of this standard also apply to these retrofit kits unless specifically superseded by a requirement in this supplement.

## **SA2 Glossary**

SA2.1 INSIDE DRIPPROOF-TYPE LUMINAIRE - A luminaire intended for use on a marine vessel in an inside damp or wet location and subject to oil or water drippage.

SA2.2 INSIDE-TYPE LUMINAIRE - A luminaire intended for use on a marine vessel in an inside dry or damp location.

SA2.3 OUTSIDE-TYPE LUMINAIRES - A luminaire intended for use outside or in other severely wet locations on a marine vessel.

## **SA3 General Requirements**

SA3.1 Retrofit kits shall be constructed such that, after their installation, converted marine luminaires continue to comply with all mechanical, electrical and environmental construction requirements in the Standard for Supplemental Requirements for Luminaires for Installation on Marine Vessels, [UL 1598A](#) applicable to the marine luminaire type for which it is marked and intended (See Table SA4.1), including:

- a) Corrosion protection;
- b) Openings;
- c) Joints and gaskets;
- d) Mounting means;
- e) Glass and lamp support;
- f) General electrical construction;
- g) Convenience receptacles, switches and fuses;
- h) Lampholders;
- i) Wiring and conductors; and

j) Power supply connections.

SA3.2 If a retrofit kit requires modifying the luminaire in a way that could affect its corrosion protection or water resistance (i.e.: adding openings, modifying gaskets, new ferrous parts, etc.) then the appropriate environmental and corrosion resistance tests from the Standard for Supplemental Requirements for Luminaires for Installation on Marine Vessels, [UL 1598A](#) shall be conducted on the converted luminaire.

### **SA4 Additional Markings and Instructions**

SA4.1 Retrofit kits intended for specific luminaire models, as defined in 1.1(a), shall be provided with instructions identifying the manufacturer and model designation(s) of the marine luminaires for which they are intended.

SA4.2 Retrofit kits intended for one or more generic type luminaires, as defined in 1.1(b), shall be marked with the marine luminaire type for which it is intended, as follows:

**Table SA4.1**

**Marine Luminaire Type Marking**

<b><u>Item</u></b>	<b><u>Marking</u></b>	<b><u>Text</u></b>	<b><u>Format</u></b>
<u>1.1</u>	<u>FOR INSIDE TYPE LUMINAIRES</u>	<u>VERBATIM</u>	<u>S16-L2</u>
<u>1.2</u>	<u>FOR INSIDE DRIPPROOF TYPE LUMINAIRES</u>	<u>VERBATIM</u>	<u>S16-L2</u>
<u>1.3</u>	<u>FOR OUTSIDE TYPE (FRESH WATER) LUMINAIRES</u>	<u>VERBATIM</u>	<u>S16-L2</u>
<u>1.4</u>	<u>FOR OUTSIDE TYPE LUMINAIRES or FOR OUTSIDE TYPE (SALT WATER) LUMINAIRES</u>	<u>VERBATIM</u>	<u>S16-L2</u>

## BSR/UL 1703, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels

### 1. Clarification of Time Frames for Completion of the Follow-up Tests for Humidity and Temperature Conditioning.

35.1 A module or panel shall be subjected to 200 cycles of temperature change as described in 35.2 - 35.4; and:

a) The test shall not result in:

- 1) Loss of circuit continuity;
- 2) Accessibility of parts that involves a risk of electric shock, such as by delamination or separation of materials;
- 3) A reduction in the resistance between parts involving a risk of electric shock and an accessible part such that the module or panel is not in compliance with Leakage Current Test, Section 21;
- 4) Reduction in the thickness of the wall of a nonmetallic wiring compartment below required values;
- 5) Reduction in the volume of a nonmetallic wiring compartment below required values; or
- 6) A gap greater than 1/16 in (1.6 mm) or an increase of 1/16 in or more in an existing opening between nonmetallic wiring compartment walls and the cover;

b) After a minimum recovery time of 1 hour after the completion of the last temperature change cycle, the module or panel shall comply with:

- 1) Dielectric Voltage-Withstand Test, Section 26, at room temperature and then at 50°C (122°F) or higher and also at room temperature; and
- 2) Immediately following the 50°C (122°F) Dielectric Voltage-Withstand Test, the Leakage Current Test, Section 21;
- 3) Following the Leakage Current Test, the Wet Insulation-Resistance Test, Section 27;
- 4) A module or panel with a wiring compartment as described in 13.1.6 shall comply with Wiring Compartment Securement Test, Section 42, following the Wet Insulation-Resistance Test; and
- 5) A module or panel with a wiring compartment as described in 13.1.6 shall comply with Wet Insulation-Resistance Test, Section 27, following the Wiring Compartment Securement Test.

36.1 A module or panel shall be subjected to 10 cycles of humidity-freezing as described in 36.2 - 36.6; and:

a) The test shall not result in:

- 1) Loss of circuit continuity;
- 2) Accessibility of parts that involves a risk of electric shock, such as by delamination or separation of materials;
- 3) A reduction in the resistance between a part involving a risk of electric shock and an accessible part such that the module or panel is not in compliance with the Leakage Current Test, Section 21;
- 4) Corrosion of metal parts;
- 5) Reduction in the thickness of the wall of a nonmetallic wiring compartment below required values;
- 6) Reduction in volume of a nonmetallic wiring compartment below required values; or
- 7) A gap greater than 1/16 in (1.6 mm) or an increase of 1/16 in or more in an existing opening between nonmetallic wiring compartment walls and the cover.

b) After a recovery time of between 2 and 4 hours after the completion of the last cycle, the module or panel shall comply with:

- 1) Dielectric Voltage-Withstand Test, Section 26; and
- 2) Leakage Current Test, Section 21, immediately following the Dielectric Voltage-Withstand Test; and
- 3) Following the Leakage Current Test, the Wet Insulation-Resistance Test, Section 27; and
- 4) A module or panel with a wiring compartment as described in 13.1.6 shall comply with Wiring Compartment Securement Test, Section 42, following the Wet Insulation-Resistance Test; and
- 5) A module or panel with a wiring compartment as described in 13.1.6 shall comply with Wet Insulation-Resistance Test, Section 27, following the Wiring Compartment Securement Test.

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