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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: August 10, 2014

IIAR (International Institute of Ammonia Refrigeration)

New Standard

BSR/IIAR 4-201x, Installation of Ammonia Refrigeration Systems (new standard)

Standard shall provide the minimum requirements for the safe installation of ammonia refrigeration systems.

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

Send comments (with copy to psa@ansi.org) to: Eric Smith, (703) 312-4200, eric.smith@iiar.org

NSF (NSF International)

New Standard

BSR/NSF 401-201x (i1r2.1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (new standard)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific incidental contaminants/emerging compounds in public or private water supplies, such as pharmaceutical, personal care products, and endocrine disrupting compounds. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org; scruden@nsf.org

NSF (NSF International)

Revision

BSR/NSF 53-201x (i51r16), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2013)

The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private). These substances are considered established or potential health hazards. They may be microbiological, chemical, or particulate (including filterable cysts) in nature. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org; scruden@nsf.org

NSF (NSF International)

Revision

BSR/NSF 342-201x (i6r1), Sustainability Assessment for Wallcovering Products (revision of ANSI/NSF 342-2012)

The overall purpose of this Standard is to facilitate the thorough communication of information that is verifiable, accurate, and credible associated with the production, distribution, and use of wallcovering products. Such communication is expected to encourage the demand for and supply of products that cause less impact on the environment and society, thereby stimulating the potential for market-driven continuous improvement. The standard is voluntary and encourages inclusive participation in the production and distribution of sustainable wallcovering products within the supply chain.

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

Send comments (with copy to psa@ansi.org) to: Jessica Slomka, (734) 214-6219, jslomka@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 67-201X, Standard for Safety for Panelboards (Proposal dated 07-11-14) (revision of ANSI/UL 67-2013a)

The proposal includes revisions to the New Requirements for Accessibility of Live Parts on Line Side of Service Disconnect.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2013C)

The following changes in requirements for UL 746C are being proposed: (1) Side-by-side test requirement for exposed and unexposed samples after UV and water immersion test.

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

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546-2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1283-201x, Standard for Safety for Electromagnetic Interference Filters (Bulletin dated July 11, 2014) (revision of ANSI/UL 1283-2013a)

Revision of requirements for capacitors.

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

Send comments (with copy to psa@ansi.org) to: Edward Minasian, (631) 546-3305, Edward.D.Minasian@ul.com

Comment Deadline: August 25, 2014

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 10993-2-2006 (R201x), Biological evaluation of medical devices - Part 2: Animal welfare requirements (reaffirmation of ANSI/AAMI/ISO 10993-2-1993 (R2001))

AAMI/ISO 10993-2 specifies minimum requirements for the use of animals in biological testing.

Single copy price: 60.00 (AAMI members)/\$100.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: +1 877-249-8226

Send comments (with copy to psa@ansi.org) to: Susan Gillespie, (703) 525-4890, sgillespie@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 10993-10:2010 (R201x), Biological evaluation of medical devices - Part 10: Tests for irritation and skin sensitization (reaffirmation of ANSI/AAMI/ISO 10993-10:2010)

Describes the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation and skin sensitization. Includes: (a) pretest considerations for irritation, including in silico and in vitro methods for dermal exposure; (b) details of in vivo (irritation and sensitization) test procedures, and; (c) key factors for the interpretation of the results. Instructions are given in Annex A for the preparation of materials specifically in relation to the above tests. In Annex B several special irritation tests are described for application of medical devices in areas other than skin.

Single copy price: \$90.00 (AAMI members)/\$150.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: +1 877-249-8226

Send comments (with copy to psa@ansi.org) to: Susan Gillespie, (703) 525-4890, sgillespie@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 10993-13-2010 (R201x), Biological evaluation of medical devices - Part 13: Identification and quantification of degradation products from polymeric medical devices (reaffirmation of ANSI/AAMI/ISO 10993-13-2010)

Provides general requirements for the design of tests in a simulated environment for identifying and quantifying degradation products from finished polymeric medical devices ready for clinical use.

Single copy price: \$54.00 (AAMI members)/\$90.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: +1 877-249-8226

Send comments (with copy to psa@ansi.org) to: Susan Gillespie, (703) 525-4890, sgillespie@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 10993-16-1997 (R201x), Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (reaffirmation of ANSI/AAMI/ISO 10993-16-2010)

Specifies principles on how toxicokinetic studies relevant to medical devices should be designed and performed. Includes an annex that describes considerations for inclusion of toxicokinetic studies in the biological evaluation of medical devices.

Single copy price: \$54.00 (AAMI members)/\$90.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: +1 877-249-8226

Send comments (with copy to psa@ansi.org) to: Susan Gillespie, (703) 525-4890, sgillespie@aami.org

AHAM (Association of Home Appliance Manufacturers)

Revision

BSR/AHAM PAC-1-201x, Portable Air Conditioners (revision of ANSI/AHAM PAC-1-2009)

This standard establishes a uniform, repeatable procedure or standard method for measuring specified product characteristics of portable air conditioners. The standard methods and the recommended levels of performance, where they appear, are intended to provide a means to compare and evaluate different brands and models of portable air conditioners regarding characteristics significant to product use.

Single copy price: \$110.00

Order from: Matthew Williams, (202) 872-5955, mwilliams@aham.org

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

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

New Standard

BSR/APCO 1.112.1-201x, Best Practices for the Use of Social Media by Public Safety Communications (new standard)

Social media is a common form of communication used by agencies and agency employees. This standard provides guidance on the use of social media for developing specific local procedures (ex: Facebook, Twitter, Instagram, Google+, etc.).

Single copy price: Free

Obtain an electronic copy from: standards@apointl.org

Order from: Crystal McDuffie, (919) 625-6864, mcduffiec@apointl.org; standards@apointl.org

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

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

New Standard

BSR/APCO 1.116.1-201x, Public Safety Communications Common Status Codes for Data Exchange (new standard)

This document is intended to provide a list of Common Status Codes to be used when disparate authorized agencies share incident information. This standard will complement the work being done for the Emergency Incident Data Document (EIDD) that will provide a NIEM conformant data exchange standard for sharing incident information. The standard does not require an agency to change any internal codes; it simply provides a list of common codes to which the agency can map their internal data.

Single copy price: Free

Obtain an electronic copy from: standards@apointl.org

Order from: Crystal McDuffie, (919) 625-6864, mcduffiec@apointl.org; standards@apointl.org

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

API (American Petroleum Institute)***New Standard***

BSR/API MPMS Chapter 22.1, 2nd Edition-201x, General Guidelines for Developing Testing Protocols for Devices Used in the Measurement of Hydrocarbon Fluids (new standard)

This document is for the development of testing protocols and to serve as a guideline to document performance characteristics of hydrocarbon fluid measurement related devices.

Single copy price: Free

Obtain an electronic copy from: jonesj@api.org

Order from: Jennifer Jones, (202) 682-8073, jonesj@api.org

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

API (American Petroleum Institute)***New Standard***

BSR/API RP 3000-201x, Classifying and Loading of Crude Oil into Rail Tank Cars (new standard)

This document provides guidance on the material characterization, transport classification, and quantity measurement of petroleum crude oil, using both laboratory and field testing techniques, for the loading of rail tank cars. This document also provides guidance on the documentation of measurement results. This document identifies the criteria for determining the frequency that the crude oil should be sampled and tested. This document applies only to petroleum crude oil classified as Hazard Class 3 flammable liquids under the U.S. Code of Federal Regulations (CFR) at the time of publication.

Single copy price: Free

Obtain an electronic copy from: Paula Watkins

Order from: Paula Watkins, (202) 682-8197, watkinsp@api.org

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

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

BSR/ASHRAE Addendum ai to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum adds a Network Port Object Type, makes changes to Annex J for the Network Port Object, and makes changes to 135-2012al for the Network Port Object.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASHRAE Addendum aq to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum adds Elevator Object Types, COV Multiple Services to address the requirements for a large number of values to be subscribed to and for the notifications to have individual timestamps for those data changes, and also adds a New Fault Algorithm, FAULT_LISTED.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASHRAE Addendum as to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012)

Currently, the BACnet standard does not provide a method for conveying and recording the source of a write or command. This addendum makes changes that allow devices to indicate and record the source device or process. In addition, COV reporting is modified to allow a client to request that value changes be accompanied by value source information.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASHRAE/SMACNA Standard 126-201x, Method of Testing HVAC Air Ducts (revision of ANSI/ASHRAE/SMACNA Standard 126-2008)

This revision of Standard 126-2008 shall be used to determine the structural strength, dimensional stability, durability, and leakage characteristics of HVAC air ducts.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASME A17.1-201x, Safety Code for Elevators and Escalators (revision of ANSI/ASME A17.1-2013)

This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks and material lifts.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)**New Standard**

BSR ATIS 0600015.08-201x, Small Networking Devices Efficiency Standard (new standard)

This document specifies the definition of router and Ethernet switch products based on their position in a network, as well as a methodology to calculate the Telecommunication Energy Efficiency Ratio (TEER). The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: \$60.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerriane Conn, (202) 434-8841, kconn@atis.org

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

BPI (Building Performance Institute)**New Standard**

BSR/BPI-1100-T-201x, Home Energy Auditing Standard (new standard)

This standard practice defines the minimum criteria for conducting a building science-based residential energy audit. The energy audit will address energy usage and limited aspects of building durability and occupant health and safety. The energy audit will provide a comprehensive report with a list of prioritized recommendations to improve the home and will include a cost-benefit analysis. Residential building types covered are defined as: existing detached single-family dwellings and townhouses meeting specific criteria.

Single copy price: Free

Obtain an electronic copy from: standards@bpi.org

Order from: standards@bpi.org

Send comments (with copy to psa@ansi.org) to: Comments must be submitted electronically at www.bpi.org.

CSA (CSA Group)**Reaffirmation**

BSR Z21.15-2009 (R201x), Standard for Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves (same as CSA 9.1-2009) (reaffirmation of ANSI Z21.15-2009, ANSI Z21.15a-2012, and ANSI Z21.15b-2013)

Details test and examination criteria for manually-operated gas valves, not exceeding 4 inches (102 mm) pipe size, and pilot shut-off devices, except for hose end valves and appliance connector valves, intended to be used as part of a gas-fired appliance.

Single copy price: Free

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

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Revision**

BSR Z21.63-201x, Standard for Gas-Fired Refrigerators and Camping Equipment (same as CSA 11.3) (revision of ANSI Z21.63-2011)

Details test and examination criteria for unvented portable camp heaters or the infrared type only up to and including a maximum input of 12,000 Btuh (3.52kW) using propane, butane and liquefied petroleum gases and mixtures thereof and intended for outdoor use. This standard applies to camp heaters having regulated or non-regulated pressure and intended for direct or remote connection to the fuel container.

Single copy price: Free

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

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

HPS (ASC N13) (Health Physics Society)**New Standard**

BSR N12.1-201x, Fissile Material Symbol (new standard)

The original version of this standard was administratively withdrawn many years ago because it was overage. The new/revised standard will include an existing section on shape and proportions of the fissile material symbol, and will also include an updated (electronic) figure of the proportions of the symbol. "Fissionable" material may be added to the scope. An existing section of use of the symbol will be retained and possibly expanded.

Single copy price: \$40.00

Obtain an electronic copy from: njohnson@burkinc.com

Order from: Nancy Johnson, (703) 790-1745, njohnson@burkinc.com

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

HPS (ASC N13) (Health Physics Society)**New Standard**

BSR N13.44-201x, Standard for a Thyroid Phantom Used in Occupational Monitoring (new standard)

This standard defines the thyroid phantom that is to be used for occupational monitoring of workers exposed to radioiodines. Specifications are given for phantom geometry, construction materials, etc. Optimal use and errors arising from incorrect use will be detailed.

Single copy price: \$40.00

Obtain an electronic copy from: njohnson@burkinc.com

Order from: Nancy Johnson, (703) 790-1745, njohnson@burkinc.com

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

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

BSR/ASPE/IAPMO Z1034-201x, Test Method for Evaluating Roof Drain Performance (new standard)

This Standard specifies a test method to determine roof drain systems performance by measuring flow rates based on the water head and the piping configurations specified in this Standard, for drains in sizes NPS-2 to NPS-6.

Single copy price: \$10.00

Obtain an electronic copy from: standards@IAPMOstandards.org

Order from: Abraham Murra, (909) 472-4106, abraham.murra@IAPMOstandards.org

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

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

BSR/IAPMO Z601-201x, Scale-Reduction Devices (new standard)

This Standard covers scale-reduction devices intended for residential and similar water-heating applications and specifies general, material, structural integrity, and testing requirements.

Single copy price: \$10.00

Obtain an electronic copy from: standards@IAPMOstandards.org

Order from: Abraham Murra, (909) 472-4106, abraham.murra@IAPMOstandards.org

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

NECA (National Electrical Contractors Association)***Revision***

BSR/NECA 402-201X, Standard for Installing and Maintaining Motor Control Centers (revision of ANSI/NECA 402-2007)

This standard describes the installation and maintenance procedures for low-voltage motor control centers (MCCs) rated 600 VAC or less with a horizontal bus rating of 2,500 amperes or less. MCCs may be assembled with factory-installed dry-type transformers and panelboards. The testing and maintenance of such dry-type transformers is addressed in NEC 409, Standard for Installing and Maintaining Dry-Type Transformers (ANSI). The testing and maintenance of such panelboards is addressed in NECA 407, Standard for Installing and Maintaining Panelboards (ANSI).

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Diana Brioso, (301) 215-4549, diana.brioso@necanet.org; neis@necanet.org

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

NECA (National Electrical Contractors Association)***Revision***

BSR/NECA 411-201X, Standard for Installing and Maintaining Uninterruptible Power Supplies (UPS) (revision of ANSI/NECA 411-2006)

This standard describes installation and maintenance procedures for permanently installed, static, three-phase Uninterruptible Power Supplies (UPSs) rated 30 kVA or more and rated 600 Volts or less, and related battery systems installed indoors or outdoors for commercial and industrial applications. UPSs described in this standard are solid-state power systems that provide continuous regulated AC power at the output terminals, while operating from either an AC power source or from a battery system.

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Diana Brioso, (301) 215-4549, diana.brioso@necanet.org; neis@necanet.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)***Revision***

BSR C136.21-201X, Roadway and Area Lighting Equipment - Vertical Tenons Used with Post Top-mounted Luminaires (revision of ANSI C136.21-2004 (R2009))

This standard covers the attachment features of vertical tenons on pole tops or brackets used in roadway and area lighting that permit the interchangeability of post-top-mounted luminaires.

Single copy price: \$37.00

Obtain an electronic copy from: megan.hayes@nema.org

Order from: Megan Hayes, (703) 841-3285, megan.hayes@nema.org

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

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

BSR/TAPPI T 449 om-201x, Bacteriological examination of paper and paperboard (new standard)

This procedure is recommended for the bacteriological examination of paper and paperboard intended for use as single service containers and closures for dairy products. Because of the exacting technique required in bacteriological procedures, reproducible results can be obtained only by a trained technician. All tests should be performed under the appropriate laboratory conditions to ensure quality assurance and safety.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

TCIA (ASC A300) (Tree Care Industry Association)**New Standard**

BSR A300 (Part 10)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Integrated Pest Management) (new standard)

A300 (Part 10) Integrated Pest Management (IPM) standards are performance standards for implementing and maintaining Integrated Pest Management systems for trees and woody plants. IPM concepts, required program components, and system models are addressed. It is a guide in the drafting of IPM program specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

Single copy price: Free (Electronic copy); \$15.00 each for S&H (Paper copies)

Obtain an electronic copy from: rrouse@tcia.org

Order from: Robert Rouse, (603) 314-5380 ext. 117, rrouse@tcia.org

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

TCIA (ASC A300) (Tree Care Industry Association)**New Standard**

BSR A300 (Part 11)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Urban Forest Products) (new standard)

A300 (Part 11) Urban Forest Products standards will be performance standards for planning, removal, and recovery activities that promote the desired and preferred use of urban forest products. Evaluation of trees, removal practices, harvest plans, and recovery practices for trees are addressed. It is a guide in the drafting of specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

Single copy price: Free (Electronic copy); \$15.00 each for S&H (Paper copies)

Obtain an electronic copy from: rrouse@tcia.org

Order from: Robert Rouse, (603) 314-5380 ext. 117, rrouse@tcia.org

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

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA 222-G-3-201x, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 3 (addenda to ANSI/TIA 222-G-2005 (R2012))

The intent of this Addenda is to provide a method of design and analysis for rigid base plate behavior resulting in insignificant anchor rod bending and insignificant secondary pole wall stresses under factored reactions from limit state strength loading conditions.

Single copy price: \$77.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA), standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA 222-G-4-201x, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 4 (addenda to ANSI/TIA 222-G-2005 (R2012))

This Design Supplement is intended to apply to self-supporting or bracketed latticed towers, guyed masts and pole structures that support single or multiple SWTs that may also support antennas and other appurtenances.

Single copy price: \$95.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA), standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA 568-C.2-2-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 2: Additional Considerations for Category 6A Patch Cord Testing (addenda to ANSI/TIA 568-C.2-2009)

Introduces category 6A patch cord testing requirements to allow test heads qualified to IEC 61935-2 to be used to qualify a patch cord to TIA 568C.2 C6A compliance. TIA C6A test heads and ISO C6A test heads used for measurement of patch cords have slightly differing requirements. These difference cause negligible difference to measured patch cord results, however create a situation where a patch cord test head cannot be both TIA and ISO compliant. This causes practical difficulties in both laboratory and field measurements of cords.

Single copy price: \$65.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA), standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA 222-G-2-2009 (R201x), Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 2 (reaffirmation of ANSI/TIA 222-G-2-2009)

This section defines: (i) the minimum acceptable analysis models and techniques, and (ii) the requirements to account for the dynamic effects of wind gusts.

Single copy price: \$116.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA), standards@tiaonline.org

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

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

BSR/UL 2040-201x, Standard for Safety for Folding Rollaway Tables (new standard)

These requirements apply to folding rollaway tables. They may have integral benches or stool seating. This does not apply to any electrical circuitry integral to or provided with these. The requirements covering the intended electrical product to be used with these tables shall be applicable to any electrical circuits in the table. Electrical devices shall comply with the requirements for such devices. A product that contains features, characteristics, components, or systems different from those covered by the requirements in this standard, and that involves a risk of fire, electric shock, or injury shall be evaluated to appropriate component and end-product requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Danielle Tremblay, (919) 549-1309, Danielle.Tremblay@ul.com

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

BSR/UL 231-2010 (R201x), Standard for Safety for Power Outlets (Proposal Dated 7-11-14) (reaffirmation of ANSI/UL 231-2010)

The requirements cover power outlets, with or without integral mounting posts or pedestals, and power outlet fittings for use in accordance with NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 346-2005 (R201x), Standard for Safety for Waterflow Indicators for Fire Protective Signaling Systems (reaffirmation of ANSI/UL 346-2005 (R2009))

The following is being proposed: (1) Reaffirmation and continuance of the Fifth Edition of the Standard for Waterflow Indicators for Fire Protective Signaling Systems, UL 346, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 586-2009 (R201x), Standard for Safety for High-Efficiency, Particulate, Air Filter Units (reaffirmation of ANSI/UL 586-2009)

The following is being proposed: Reaffirmation of the ninth edition of the Standard for High-Efficiency, Particulate, Air Filter Units.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 217-201x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2012)

Proposal to add polyurethane flaming and smoldering tests to the 7th edition of UL 217 covering electrically operated single- and multiple-station smoke alarms intended for open-area protection in indoor locations.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

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

BSR/UL 268-201X, Standard for Safety for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2009a)

Proposed new seventh edition of binational standard UL 268, updating requirements for both the United States and Canada including new requirements for multi-criteria smoke detectors and polyurethane flaming and smoldering tests.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

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

BSR/UL 1696-201x, Standard for Safety for Nonmetallic Protection Tubing (NMPT) (revision of ANSI/UL 1696-2009)

Document dated 7/11/14 proposes the new second edition of UL 1696, Mechanical Protection Tubing (MPT) and Fittings, that expands the current scope to include metallic, nonmetallic, and composite tubing and fittings used for the support, routing and mechanical protection of conductors, wires, and cables.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

Comment Deadline: September 9, 2014

GISC (ASC Z97) (Glazing Industry Secretariat Committee)

Revision

BSR Z97.1-201x, Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test (revision of ANSI Z97.1-2009)

This standard establishes the specifications and methods of test for the safety properties of safety glazing materials (glazing materials designed to promote safety and reduce the likelihood of cutting and piercing injuries when the glazing materials are broken by human contact) as used for all building and architectural purposes.

Single copy price: \$60.00

Obtain an electronic copy from: www.ansiz97.com

Order from: Julia Schimmelpenninck, (413) 730-3413, jcschi@eastman.com

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

Correction

Acoustical Society of America (ASA) Standards

The ASA Call-for-Comment notices published in the November 29, 2013 issue of Standards Action incorrectly stated that the following three national adoptions replace ANSI/ASA S1.40-2006 (R2011). This standard is not related to these projects. Please find below a correction to the documents referenced by these projects:

BSR/ASA S1.4-201x/Part 1 / IEC 61672-1:2013, (identical national adoption of IEC 61672-1:2013 and revision of ANSI S1.4-1983 (R2006), ANSI S1.4a-1985 (R2006), ANSI S1.43-1997 (R2007))

BSR/ASA S1.4-201x/Part 2 / IEC 61672-2:2013 (identical national adoption of IEC 61672-2:2013)

BSR/ASA S1.4-201x/Part 2 / IEC 61672-3:2013 (identical national adoption of IEC 61672-3:2013)

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.

API (American Petroleum Institute)

Office: 1220 L Street NW
Washington, DC 20005

Contact: Jennifer Jones

Phone: (202) 682-8073

Fax: (202) 962-4797

E-mail: jonesj@api.org

BSR/API MPMS Chapter 22.1, 2nd Edition-201x, General Guidelines for Developing Testing Protocols for Devices Used in the Measurement of Hydrocarbon Fluids (new standard)

BSR/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007 (R201x), Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer (reaffirmation of ANSI/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007)

GISC (ASC Z97) (Glazing Industry Secretariat Committee)

Office: 730 Worcester Street
Springfield, MA 01151

Contact: Julia Schimmelpenninck

Phone: (413) 730-3413

Fax: (508) 861-0127

E-mail: JCSCHI@Solutia.com

BSR Z97.1-201x, Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test (revision of ANSI Z97.1-2009)

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

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

Contact: Barbara Bennett

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 13250-3:2013, Information technology - Topic Maps - Part 3: XML syntax (identical national adoption of ISO/IEC 13250-3:2013 and revision of INCITS/ISO/IEC 13250-3:2009)

INCITS/ISO/IEC 24759:2014 [2014], Information technology - Security techniques - Test requirements for cryptographic modules (identical national adoption of ISO/IEC 24759:2014)

INCITS/ISO/IEC 27000:2014 [2014], Information technology - Security techniques - Information security management systems - Overview and vocabulary (identical national adoption of ISO/IEC 27000:2014 and revision of INCITS/ISO/IEC 27000:2009 [2014])

MedBiq (MedBiquitous Consortium)

Office: 5801 Smith Avenue
Davis 3110C
Baltimore, MD 21209

Contact: Valerie Smothers

Phone: (410) 735-6142

Fax: (410) 735-4660

E-mail: vsmothers@jhmi.edu

BSR/MEDBIQ CI.10.1-2013 Corrigenda, Curriculum Inventory Corrigenda (supplement to ANSI/MEDBIQ CI.10.1-2013)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: Diana Brioso

Phone: (301) 215-4549

Fax: (301) 215-4500

E-mail: diana.brioso@necanet.org; neis@necanet.org

BSR/NECA 402-201X, Standard for Installing and Maintaining Motor Control Centers (revision of ANSI/NECA 402-2007)

BSR/NECA 411-201X, Standard for Installing and Maintaining Uninterruptible Power Supplies (UPS) (revision of ANSI/NECA 411-2006)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

Contact: Megan Hayes

Phone: (703) 841-3285

Fax: (703) 841-3385

E-mail: megan.hayes@nema.org

BSR C136.24-201x, Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))

NSF (NSF International)

Office: 789 North Dixboro Road
Ann Arbor, MI 48105

Contact: Jessica Slomka

Phone: (734) 214-6219

E-mail: jslomka@nsf.org

BSR/NSF 342-201x (i6r1), Sustainability Assessment for Wallcovering Products (revision of ANSI/NSF 342-2012)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: Charles Bohanan

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 1006 om-201x, Testing of fiber glass mats: Use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, and thickness (revision of ANSI/TAPPI T 1006 sp-2010)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: Marianna Kramarikova

Phone: (703) 907-7743

E-mail: standards@tiaonline.org

BSR/TIA 222-G-3-201x, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 3 (addenda to ANSI/TIA 222-G-2-2009)

BSR/TIA 222-G-4-201x, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 4 (addenda to ANSI/TIA 222-G-2005 (R2012))

BSR/TIA 222-G-2-2009 (R201x), Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 2 (reaffirmation of ANSI/TIA 222-G-2-2009)

BSR/TIA 568-C.2-2-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 2: Additional Considerations for Category 6A Patch Cord Testing (addenda to ANSI/TIA 568-C.2-2009)

UL (Underwriters Laboratories, Inc.)

Office: 455 E Trimble Road
San Jose, CA 95131-1230

Contact: Paul Lloret

Phone: (408) 754-6618

Fax: (408) 754-6618

E-mail: Paul.E.Lloret@ul.com

BSR/UL 1696-201x, Standard for Safety for Nonmetallic Protection Tubing (NMPT) (revision of ANSI/UL 1696-2009)

VC (ASC Z80) (The Vision Council)

Office: 225 Reinekers Lane
Suite 700
Alexandria, VA 22314

Contact: Amber Robinson

Phone: (703) 740-1094

Fax: (703) 548-4580

E-mail: arobinson@thevisioncouncil.org

BSR Z80.35-201x, Extended Depth of Focus (EDF) Lenses (new standard)

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.

ASA (ASC S1) (Acoustical Society of America)

New National Adoption

ANSI/ASA S1.11-2014/Part 1/IEC 61260-1:2014, Electroacoustics - Octave-band and fractional-octave-band filters - Part 1: Specifications (identical national adoption of IEC 61260-1:2014 and revision of ANSI/ASA S1.11-2004 (R2009)): 7/2/2014

ASME (American Society of Mechanical Engineers)

Revision

ANSI CSA B44.1/ASME A17.5-2014, Elevator and Escalator Electrical Equipment (revision of ANSI CSA B44.1/ASME A17.5-2011): 7/2/2014

ANSI/ASME B31.1-2014, Power Piping (revision of ANSI/ASME B31.1-2012): 7/2/2014

ANSI/ASME Y14.35-2014, Revision of Engineering Drawings and Associated Documents (revision and redesignation of ANSI/ASME Y14.35M-1997 (R2008)): 7/8/2014

ASSE (ASSE International Chapter of IAPMO)

New Standard

- * ANSI/ASSE Series 12000-2014, Professional Qualifications Standard for the Health and Safety of Construction and Maintenance Personnel (new standard): 7/8/2014

ASTM (ASTM International)

New Standard

ANSI/ASTM F3059-2014, Specification for Fiber Reinforced Plastic (FRP) Gratings Used in Marine Construction and Shipbuilding (new standard): 7/1/2014

Revision

ANSI/ASTM D1655-2014, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2013): 7/1/2014

ANSI/ASTM E176-2014, Terminology of Fire Standards (revision of ANSI/ASTM E176-2013): 7/1/2014

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI ATIS 0600015.02-2014, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - Transport Requirements (revision of ANSI ATIS 0600015.02-2009): 6/25/2014

AWWA (American Water Works Association)

Revision

ANSI/AWWA C228-2014, Stainless-Steel Pipe Flange Joints for Water Service - Sizes 2 in. through 72 in. (50 mm through 1,800 mm) (revision of ANSI/AWWA C228-2008): 7/8/2014

ANSI/AWWA G430-2014, Security Practices for Operation and Management (revision of ANSI/AWWA G430-2010): 7/8/2014

B11 (B11 Standards, Inc.)

Reaffirmation

ANSI B11.1-2009 (R2014), Safety Requirements for Mechanical Power Presses (reaffirmation of ANSI B11.1-2009): 6/25/2014

CEA (Consumer Electronics Association)

New Standard

- * ANSI/CEA 2045.2-2014, Modular Communications Interface for Generic Display Message Set (new standard): 6/25/2014

Revision

- * ANSI/CEA 2037-A-2014, Determination of Television Average Power Consumption (revision and redesignation of ANSI/CEA 2037-2010): 7/2/2014
- * ANSI/CEA 2045 Amendment 1-2014, Modular Communications Interface (MCI) for Energy Management - Amendment 1. (revision of ANSI/CEA 2045-2013): 7/8/2014

CSA (CSA Group)

Revision

- * ANSI Z21.10.3-2014, Standard for Gas Water Heaters, Volume III, Storage Water Heaters With Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous (same as CSA 4.3) (revision of ANSI Z21.10.3-2013): 7/2/2014

HL7 (Health Level Seven)

Revision

ANSI/HL7 V3 RXMEDCMET, R1-2014, HL7 Version 3 Standard: Pharmacy; Medication CMET, Release 1 (revision and redesignation of ANSI/HL7 V3 CMET R3-2013): 7/8/2014

ISEA (International Safety Equipment Association)

Revision

ANSI/ISEA 101-2014, Limited-Use and Disposable Coveralls - Size and Labeling Requirements (revision of ANSI/ISEA 101-1996 (R2008)): 7/8/2014

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

New National Adoption

- INCITS/ISO/IEC 14888-3:2006/Amd 2:2012 [2014], Information technology - Security techniques - Digital signatures with appendix - Part 3: Discrete logarithm based mechanisms - Amendment 2: Optimizing hash inputs (identical national adoption of ISO/IEC 14888-3:2006/Amd 2:2012): 6/25/2014
- INCITS/ISO/IEC 19794-1-2011 [2014]/Amd 1-2013 [2014], Information technology - Biometric data interchange formats - Part 1: Framework - Amendment 1: Conformance testing methodology (identical national adoption of ISO/IEC 19794-1:2011/Amd 1:2013): 7/8/2014

- INCITS/ISO/IEC 20008-1:2013 [2014], Information technology - Security techniques - Anonymous digital signatures - Part 1: General (identical national adoption of ISO/IEC 20008-1:2013): 6/25/2014
- INCITS/ISO/IEC 20008-2:2013 [2014], Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key (identical national adoption of ISO/IEC 20008-2:2013): 6/25/2014
- INCITS/ISO/IEC 20009-1:2013 [2014], Information technology - Security techniques - Anonymous entity authentication - Part 1: General (identical national adoption of ISO/IEC 20009-1:2013): 6/25/2014
- INCITS/ISO/IEC 27033-2:2012 [2014], Information technology - Security techniques - Network security - Part 2: Guidelines for the design and implementation of network security (identical national adoption of ISO/IEC 27033-2:2012 and revision of INCITS/ISO/IEC 27033-2:2012): 7/2/2014
- INCITS/ISO/IEC 27033-5:2013 [2014], Information technology - Security techniques - Network security - Part 5: Securing communications across networks using Virtual Private Networks (VPNs) (identical national adoption of ISO/IEC 27033-5:2013): 6/25/2014
- INCITS/ISO/IEC 29192-3:2012 [2014], Information technology - Security techniques - Lightweight cryptography - Part 3: Stream ciphers (identical national adoption of ISO/IEC 29192-3:2012): 6/25/2014
- INCITS/ISO/IEC 29192-4:2013 [2014], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques (identical national adoption of ISO/IEC 29192-4:2013): 6/25/2014
- INCITS/ISO/IEC 1001:2012 [2014], Information technology - File structure and labelling of magnetic tapes for information interchange (identical national adoption of ISO/IEC 1001:2012): 6/25/2014
- INCITS/ISO/IEC 16963:2011 [2014], Information technology - Digitally recorded media for information interchange and storage - Test method for the estimation of lifetime of optical media for long-term data storage (identical national adoption of ISO/IEC 16963:2011): 6/25/2014
- INCITS/ISO/IEC 17998:2012 [2014], Information technology - SOA Governance Framework (identical national adoption of ISO/IEC 17998:2012): 7/2/2014
- INCITS/ISO/IEC 19790:2006 [2014], Information technology - Security techniques - Security requirements for cryptographic modules (identical national adoption of ISO/IEC 19790:2012 and revision of INCITS/ISO/IEC 19790:2006 [2009] and INCITS/ISO/IEC 19790:2006/Cor1-2009): 6/25/2014
- INCITS/ISO/IEC 27000:2009 [2014], Information technology - Security techniques - Information security management systems - Overview and vocabulary (identical national adoption of ISO/IEC 27000:2012 and revision of INCITS/ISO/IEC 27000:2009 [2009]): 6/25/2014
- INCITS/ISO/IEC 27010:2012 [2014], Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications (identical national adoption of ISO/IEC 27010:2012): 6/25/2014
- INCITS/ISO/IEC 27013:2012 [2014], Information technology - Security techniques -- Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 (identical national adoption of ISO/IEC 27013:2012): 6/25/2014
- INCITS/ISO/IEC 27037:2012 [2014], Information technology - Security techniques - Guidelines for identification, collection, acquisition, and preservation of digital evidence (identical national adoption of ISO/IEC 27037:2012): 6/25/2014
- INCITS/ISO/IEC 29115:2013 [2014], Information technology - Security techniques - Entity authentication assurance framework (identical national adoption of ISO/IEC 29115:2013): 6/25/2014
- INCITS/ISO/IEC 29121:2009 [2014], Information technology - Digitally recorded media for information interchange and storage - Data migration method for DVD-R, DVD-RW, DVD-RAM, +R, and +RW disks (identical national adoption of ISO/IEC 29121:2013): 6/25/2014
- INCITS/ISO/IEC 29191:2012 [2014], Information technology - Security techniques - Requirements for partially anonymous, partially unlinkable authentication (identical national adoption of ISO/IEC 29191:2012): 6/25/2014
- INCITS/ISO/IEC 30111:2013 [2014], Information technology - Security techniques - Vulnerability handling processes (identical national adoption of ISO/IEC 30111:2013): 6/25/2014
- INCITS/ISO/IEC 40210:2011 [2014], Information technology - W3C SOAP Version 1.2 Part 1: Messaging Framework (Second Edition) (identical national adoption of ISO/IEC 40210:2011): 7/2/2014
- INCITS/ISO/IEC 40220:2011 [2014], Information technology - W3C SOAP Version 1.2 Part 2: Adjuncts (Second Edition) (identical national adoption of ISO/IEC 40220:2011): 7/2/2014
- INCITS/ISO/IEC 40230:2011 [2014], Information technology - W3C SOAP Message Transmission Optimization Mechanism (identical national adoption of ISO/IEC 40230:2011): 7/2/2014
- INCITS/ISO/IEC 40240:2011 [2014], Information technology - W3C Web Services Addressing 1.0 - Core (identical national adoption of ISO/IEC 40240:2011): 7/2/2014
- INCITS/ISO/IEC 40250:2011 [2014], Information technology - W3C Web Services Addressing 1.0 - SOAP Binding (identical national adoption of ISO/IEC 40250:2011): 7/2/2014
- INCITS/ISO/IEC 40260:2011 [2014], Information technology - W3C Web Services Addressing 1.0 - Metadata (identical national adoption of ISO/IEC 40260:2011): 7/2/2014
- INCITS/ISO/IEC 40270:2011 [2014], Information technology - W3C Web Services Policy 1.5 - Framework (identical national adoption of ISO/IEC 40270:2011): 7/2/2014
- INCITS/ISO/IEC 40280:2011 [2014], Information technology - W3C Web Services Policy 1.5 - Attachment (identical national adoption of ISO/IEC 40280:2011): 7/2/2014
- New Standard**
- INCITS 522-2014, Information technology - ATA/ATAPI Command Set - 3 (ACS-3) (new standard): 6/25/2014
- NEMA (ASC C136) (National Electrical Manufacturers Association)**
- Revision**
- ANSI C136.13-2014, Roadway and Area Lighting Equipment - Metal Brackets for Wood Poles (revision of ANSI C136.13-2004 (R2009)): 6/27/2014
- NEMA (ASC C78) (National Electrical Manufacturers Association)**
- Revision**
- ANSI/ANSLG C78.901-2014, Single Base Fluorescent Lamps - Dimensional and Electrical Characteristics (revision of ANSI/IEC C78.901-2005 (R2008)): 7/2/2014

NSF (NSF International)**Revision**

- * ANSI/BIFMA e3-2014 (i21r1), Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2012): 5/18/2014
- * ANSI/NSF 50-2014 (i97r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2012): 7/7/2014
- * ANSI/NSF 53-2014 (i97), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2013): 7/5/2014

TIA (Telecommunications Industry Association)**Revision**

ANSI/TIA 598-D-2014, Optical Fiber Cable Coding (revision and redesignation of ANSI/TIA 598-C-2005): 7/9/2014

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

- ANSI/UL 60730-2-12-2014, Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Electrically Operated Door Locks (identical national adoption of IEC 60730-2-12): 6/30/2014
- ANSI/UL 60730-2-13-2014, Standard for Automatic Electrical Controls for Household and Similar Use - Part 2-13: Particular Requirements for Humidity Sensing Controls (identical national adoption of IEC 60730-2-13): 7/1/2014

New Standard

ANSI/UL 213C-2014, Standard for Safety for Grooved and Plain End Fittings (new standard): 7/8/2014

Reaffirmation

- * ANSI/UL 1598A-2005 (R2014), Standard for Safety for Supplemental Requirements for Luminaires for Installation on Marine Vessels (reaffirmation of ANSI/UL 1598A-2005 (R2009)): 7/1/2014
- ANSI/UL 1692-2009 (R2014), Standard for Safety for Polymeric Materials - Coil Forms (reaffirmation of ANSI/UL 1692-2009a): 6/26/2014
- ANSI/UL 2333-2003 (R2014), Standard for Safety for Infrared Thermometers (reaffirmation of ANSI/UL 2333-2003 (R2008)): 7/8/2014

Revision

- * ANSI/UL 969-2014, Standard for Safety for Marking and Labeling Systems (revision of ANSI/UL 969-2008): 6/30/2014
- * ANSI/UL 969-2014a, Standard for Safety for Marking and Labeling Systems (revision of ANSI/UL 969-2008): 6/30/2014
- ANSI/UL 1660-2014, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI/UL 1660-2008 (R2013)): 7/2/2014
- * ANSI/UL 60745-2-22-2014, Standard for Safety for Hand-Held Motor-Operated Electrical - Tools Safety - Part 2-22: Particular Requirements for Cut-Off Machines (revision of ANSI/UL 60745-2-22-2012): 6/19/2014

Project Initiation Notification System (PINS)

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

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

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

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

Office: 351 N. Williamson Boulevard
Daytona Beach, FL 32114-1112

Contact: *Crystal McDuffie*

Fax: (386) 944-2794

E-mail: mcduffiec@apointl.org; standards@apointl.org

BSR/APCO/NENA 1.102.3-201x, Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale (revision and redesignation of ANSI/APCO/NENA 1.102.1-2010)

Stakeholders: Public safety communications users, producers, and general interest.

Project Need: Review standard and revise as needed.

This standard revision is intended to assist Public Safety Answering Points (PSAP) Managers and their governing authorities to identify their current level of service capability. An assessment tool is provided to objectively assess capabilities of the PSAP against models representing the best level of preparedness, survivability, and sustainability amidst a wide range of natural and manmade events.

API (American Petroleum Institute)

Office: 1220 L Street NW
Washington, DC 20005

Contact: *Jennifer Jones*

Fax: (202) 962-4797

E-mail: jonesj@api.org

BSR/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007 (R201x), Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer (reaffirmation of ANSI/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007)

Stakeholders: Petrochemical suppliers, petrochemical purchasers, petrochemical measurement device manufacturers and purchasers

Project Need: Reaffirm an industry standard for calculations of properties of natural gas mixtures such as: gross heating value, relative density (real and ideal), compressibility factor and theoretical hydrocarbon liquid content, for use in custody transfer.

This standard presents procedures for calculating, at base conditions from composition, the following properties of natural gas mixtures: gross heating value, relative density (real and ideal), compressibility factor and theoretical hydrocarbon liquid content which in the U.S. is typically expressed as GPM, the abbreviation for gallons of liquid per thousand cubic feet of gas.

APSP (Association of Pool and Spa Professionals)

Office: 2111 Eisenhower Ave.
Alexandria, VA 22314

Contact: *Carvin DiGiovanni*

Fax: (703) 838-0083

E-mail: cdigiovanni@apsp.org

* BSR/APSP/ICC-14-201x, Standard for Portable Electric Spa Energy Efficiency (revision of ANSI/APSP 14-2011)

Stakeholders: Spa manufacturers, spa components and materials suppliers, regulatory authorities, and consumers.

Project Need: This standard will influence the design and construction specifications of portable electric spas to maximize energy efficiency.

These requirements apply to factory-built residential portable spas that are used for bathing and are operated by private owner. This standard is meant to establish minimum energy efficiency requirements for spas. This standard shall be met notwithstanding certain variations in equipment, materials, and design (refer to ANSI/NSPI-6). These requirements do not apply to public spas, permanently installed residential spas or other spas, such as those operated for medical treatment, physical therapy, or other purposes. Swim-spas and portions of combination spas/swim-spas are included in this standard.

ASTM (ASTM International)

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

Contact: *Corice Leonard*

Fax: (610) 834-3683

E-mail: cleonard@astm.org; accreditation@astm.org

BSR/ASTM WK46555-201x, New Practice for Standard Ignition Sources (new standard)

Stakeholders: Fire Safety Engineering industry.

Project Need: This Practice describes a series of ignition sources that have been used and that are potentially applicable to assessing fire-test-response characteristics resulting from the ignition of materials or of products.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK46555.htm>

AWS (American Welding Society)

Office: 8669 NW 36th Street
Suite 130
Doral, FL 33166

Contact: *Stephen Borrero*

Fax: (305) 443-5951

E-mail: sborrero@aws.org

BSR/AWS D1.4/D1.4M-201x, Structural Welding Code - Reinforcing Steel (revision of ANSI/AWS D1.4/D1.4M:2011)

Stakeholders: Engineers within the welding industry.

Project Need: Update the technological advances for reinforcing steel bars.

This code covers the requirements for welding reinforcing steel in most reinforced concrete applications. It contains a body of rules for the regulations of welding reinforcing steel and provides suitable acceptance criteria for such welds.

AWS (American Welding Society)

Office: 8669 NW 36 Street, #130
Miami, FL 33166

Contact: *Stephen Hedrick*

E-mail: steveh@aws.org

BSR/AWS B5.1-2012-AMD1-201x, Specification for the Qualification of Welding Inspectors (addenda to ANSI/AWS B5.1-2012)

Stakeholders: Welding inspectors.

Project Need: To amend Annex A to include as reference documents AWS A3.0 and AWS A2.4.

This standard defines the qualification requirements to qualify welding inspectors. The qualification requirements for visual welding inspectors include experience and satisfactory completion of an examination, which includes demonstrated capabilities, and proof of visual acuity. The examination tests the inspector's knowledge of welding processes, welding procedures, nondestructive examinations, destructive tests, terms, definitions, symbols, reports, welding metallurgy, related mathematics, safety, quality assurance, and responsibilities.

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

INCITS/ISO/IEC 13250-3:2013, Information technology - Topic Maps - Part 3: XML syntax (identical national adoption of ISO/IEC 13250-3:2013 and revision of INCITS/ISO/IEC 13250-3:2009)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

ISO/IEC 13250-3:2013 defines an XML-based interchange syntax for Topic Maps, which can be used to interchange instances of the data model defined in ISO/IEC 13250-2. It also defines a mapping from the interchange syntax to the data model. The syntax is defined with a RELAX-NG schema, and more precision is provided through the mapping to the data model, which effectively also defines the interpretation of the syntax.

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

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

Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 24759:2014 [2014], Information technology - Security techniques - Test requirements for cryptographic modules (identical national adoption of ISO/IEC 24759:2014)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

This International Standard specifies the methods to be used by testing laboratories to test whether the cryptographic module conforms to the requirements specified in ISO/IEC 19790:2012. The methods are developed to provide a high degree of objectivity during the testing process and to ensure consistency across the testing laboratories.

INCITS/ISO/IEC 27000:2014 [2014], Information technology - Security techniques - Information security management systems - Overview and vocabulary (identical national adoption of ISO/IEC 27000:2014 and revision of INCITS/ISO/IEC 27000:2009 [2014])

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

This International Standard provides the overview of information security management systems, and terms and definitions commonly used in the ISMS family of standards. This International Standard is applicable to all types and sizes of organization (e.g., commercial enterprises, government agencies, not-for-profit organizations).

MedBiq (MedBiquitous Consortium)

Office: 5801 Smith Avenue
Davis 3110C
Baltimore, MD 21209

Contact: *Valerie Smothers*

Fax: (410) 735-4660

E-mail: vsmothers@jhmi.edu

* BSR/MEDBIQ CI.10.1-2013 Corrigenda, Curriculum Inventory Corrigenda (supplement to ANSI/MEDBIQ CI.10.1-2013)

Stakeholders: Curriculum inventory developers, medical schools, health professions schools, hospitals, certifying boards, licensing boards, government agencies, professional associations, continuing education providers, information technology vendors, accreditation organizations, healthcare professionals.

Project Need: Users have encountered a problem processing XML documents conforming to the CI.10.1-2013 Curriculum Inventory Standard.

The id attributes for events, sequence blocks, and integration blocks are defined as strings, and their use is required. Unfortunately, the string datatype allows for null values, and XML documents containing null values for id attributes validate against the scheme. The logic of the Curriculum Inventory architecture is dependent on referencing the identifiers for events, sequence blocks, and integration blocks, so the validation of documents with null ids poses a significant problem. We propose developing corrigenda for the standard that corrects these errors.

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

Contact: Megan Hayes

Fax: (703) 841-3385

E-mail: megan.hayes@nema.org

BSR C136.24-201x, Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))

Stakeholders: Manufacturers, users and specifiers of roadway and area lighting equipment.

Project Need: This standard is being revised to reflect current industry practices and provide additional clarification.

This standard covers the electrical and mechanical interchangeability of nonlocking-type photocontrols for mounting within a roadway or off-roadway luminaire, called "controls" in this standard. These controls are commonly called "button" photocontrols.

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Rosslyn, VA 22209

Contact: Ryan Franks

Fax: 703-841-3371

E-mail: ryan.franks@nema.org

BSR/ICEA P-54-440-2009/NEMA WC-51-2009 (R201x), Ampacities of Cables Installed in Trays (reaffirmation of ANSI/ICEA P-54-440-2009/NEMA WC-51-2009)

Stakeholders: Users and producers of wire and cable.

Project Need: Standard ANSI 5-year reaffirmation.

This Standards Publication covers the ampacity ratings for 600- to 15,000-volt solid dielectric cables installed in cable trays. Ampacity ratings are tabulated for single conductor cables, triplexed assemblies of single conductor cables, and three-conductor cables incorporating an overall jacket. Ampacities have been tabulated for the cable constructions and the operating conditions normally encountered for tray applications. Correction factors to adjust the tabulated values to better reflect specific conditions are provided. These include adjustments to account for ambient and operating temperatures, cable construction, tray covers, and diversification of the cable loading. This standard is intended primarily for use by the utility industry. It is not intended for use where compliance with the National Electrical Code or other regulations is mandatory.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: Charles Bohanan

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 1006 om-201x, Testing of fiber glass mats: Use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, and thickness (revision of ANSI/TAPPI T 1006 sp-2010)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To revise existing TAPPI/ANSI standard based on comments received on draft 1 ballot.

The purpose of this standard practice is to list existing TAPPI test methods that provide procedures for sampling and lot acceptance, stiffness, tear resistance, and thickness, and to suggest modifications to these methods for use in the sampling and testing of fiber glass mats.

VC (ASC Z80) (The Vision Council)

Office: 225 Reinekers Lane
Suite 700
Alexandria, VA 22314

Contact: Amber Robinson

Fax: (703) 548-4580

E-mail: arobinson@thevisioncouncil.org

BSR Z80.35-201x, Extended Depth of Focus (EDF) Lenses (new standard)

Stakeholders: Industry, professional users, regulators, health care facilities.

Project Need: High

This standard applies to monofocal intraocular lenses (IOLs) whose function is the correction of aphakia, with the unique quality of extended depth of focus (EDF) properties. The practical application of such lenses is to increase the depth of field around any one focal point, thus providing for increased clarity for points at distance, intermediate, and near. This standard addresses the vocabulary, optical properties and test methods, definitions of extended focus ranges, mechanical properties and test methods, biocompatibility, sterility, shelf life and transport stability, and clinical investigations necessary for this type of device.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 525-4890 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>CEA Consumer Electronics Association</p> <p>1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.ce.org</p>	<p>ISEA International Safety Equipment Association</p> <p>1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Fax: (703) 525-1698 Web: www.safetysafetyequipment.org</p>
<p>AHAM Association of Home Appliance Manufacturers</p> <p>1111 19th Street N.W. Suite 402 Washington, DC 20036 Phone: (202) 872-5955 Fax: (202) 872-9354 Web: www.aham.org</p>	<p>ASSE (Organization) ASSE International Chapter of IAPMO</p> <p>18927 Hickory Creek Drive Suite 220 Mokena, IL 60448 Phone: (708) 995-3012 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p>	<p>CSA CSA Group</p> <p>8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards</p> <p>1101 K Street, NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: www.incits.org</p>
<p>APCO Association of Public-Safety Communications Officials-International</p> <p>351 N. Williamson Boulevard Daytona Beach, FL 32114-1112 Phone: (919) 625-6864 Fax: (386) 944-2794 Web: www.apcolntl.org</p>	<p>ASTM ASTM International</p> <p>100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>GISC (ASC Z97) Glazing Industry Secretariat Committee</p> <p>730 Worcester Street Springfield, MA 01151 Phone: (413) 730-3413 Fax: (508) 861-0127 Web: www.ansiz97.com</p>	<p>MedBiq MedBiquitous Consortium</p> <p>5801 Smith Avenue Davis 3110C Baltimore, MD 21209 Phone: (410) 735-6142 Fax: (410) 735-4660 Web: www.medbiq.org</p>
<p>API American Petroleum Institute</p> <p>1220 L Street NW Washington, DC 20005 Phone: (202) 682-8073 Fax: (202) 962-4797 Web: www.api.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions</p> <p>1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: www.atis.org</p>	<p>HL7 Health Level Seven</p> <p>3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>NECA National Electrical Contractors Association</p> <p>3 Bethesda Metro Center Suite 1100 Bethesda, MD 20814 Phone: (301) 215-4549 Fax: (301) 215-4500 Web: www.necanet.org</p>
<p>APSP Association of Pool and Spa Professionals</p> <p>2111 Eisenhower Ave. Alexandria, VA 22314 Phone: (703) 838-0083 Fax: (703) 838-0083 Web: www.apsp.org</p>	<p>AWS American Welding Society</p> <p>8669 NW 36 Street, #130 Miami, FL 33166 Phone: (305) 443-9353 Web: www.aws.org</p>	<p>HPS (ASC N13) Health Physics Society</p> <p>1313 Dolley Madison Blvd Suite 402 McLean, VA 22101 Phone: (703) 790-1745 Fax: (703) 790-2672 Web: www.hps.org</p>	<p>NEMA (ASC C78) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3278 Fax: (703) 841-3378 Web: www.nema.org</p>
<p>ASA (ASC S12) Acoustical Society of America</p> <p>1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWWA American Water Works Association</p> <p>6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IAPMO (ASC Z124) International Association of Plumbing & Mechanical Officials</p> <p>5001 East Philadelphia Street Ontario, CA 91761-2816 Phone: (909) 472-4106 Fax: (909) 472-4150 Web: www.iapmort.org</p>	<p>NEMA (ASC C8) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3271 Fax: 703-841-3371 Web: www.nema.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</p> <p>1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>B11 B11 Standards, Inc.</p> <p>PO Box 690905 Houston, TX 77269-0905 Phone: (832) 446-6999</p>	<p>IIAR International Institute of Ammonia Refrigeration</p> <p>1001 N. Fairfax Street Suite 503 Alexandria, VA 22314-1797 Phone: (703) 312-4200 Fax: (703) 312-0065 Web: www.iiar.org</p>	<p>NEMA (ASC C8) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3271 Fax: 703-841-3371 Web: www.nema.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</p> <p>1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>BPI Building Performance Institute</p> <p>107 Hermes Road Suite 110 Malta, NY 12020 Phone: (877) 274-1274 Fax: (866) 777-1274 Web: www.bpi.org</p>	<p>IIAR International Institute of Ammonia Refrigeration</p> <p>1001 N. Fairfax Street Suite 503 Alexandria, VA 22314-1797 Phone: (703) 312-4200 Fax: (703) 312-0065 Web: www.iiar.org</p>	

NEMA (Canvass)

National Electrical Manufacturers
Association

1300 North 17th Street
Suite 1752
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Web: www.nema.org

NSF

NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

TAPPI

Technical Association of the Pulp and
Paper Industry

15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TCIA (ASC A300)

Tree Care Industry Association

136 Harvey Road
Suite 101
Londonderry, NH 03053
Phone: (603) 314-5380
Fax: (603) 314-5386
Web: www.treecareindustry.org

TIA

Telecommunications Industry
Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7743
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 549-1309
Web: www.ul.com

VC (ASC Z80)

The Vision Council

225 Reinekers Lane
Suite 700
Alexandria, VA 22314
Phone: (703) 740-1094
Fax: (703) 548-4580
Web: www.thevisioncouncil.org

Announcement of Proposed Procedural Revisions Comment Deadline: August 11, 2014

Comments with regard to these proposed revisions should be submitted to psa@ansi.org or via fax to the Recording Secretary of the ANSI Executive Standards Council (ExSC) at 212-840-2298.

Public comments received in connection with these proposed revisions will be made available to the public in the ANSI Online public library (<http://publicaa.ansi.org/sites/apdl/default.aspx>) one week after the close of the comment deadline. The ANSI Executive Standards Council (ExSC) will consider all public comments received by the comment deadline at its next regularly scheduled meeting. Shortly thereafter, all commenters will be provided with a written disposition of their respective comments.

Questions should be directed to psa@ansi.org.

Proposed revisions to the ANSI Essential Requirements to address various maintenance and extension requirements

4.2 Approval of actions in connection with American National Standards

A standard developed by an ANSI-Accredited Standards Developer may be approved as an American National Standard by the ANSI Board of Standards Review (BSR) or by an ANSI Audited Designator. In either case, the essential due process and consensus criteria defined herein shall apply. In addition, approval assures the user that each American National Standard is generally acceptable to the directly and materially affected interest categories that participated in the development of consensus for the standard.

A proposed new American National Standard or a proposed revision or reaffirmation of an American National Standard to be approved by the BSR shall be submitted to the secretary of the BSR within one (1) year from the close of the comment period listed in *Standards Action* using the appropriate form provided by ANSI, unless the standards developer notifies the secretary of the BSR in writing of good cause for a different schedule for submittal. Failure to make the submittal within two (2) years from the close of the comment period listed in *Standards Action* shall require consideration by the BSR, i.e., withdrawal, extension for cause, or another listing in *Standards Action*. ***ANSI-Accredited Standards Developers that have been granted the status of ANSI Audited Designator shall take action in connection with candidate American National Standards in a timeframe that is consistent with that specified for all other ANSI-Accredited Standards Developers. (emphasis added)***

4.7.1 Periodic maintenance of American National Standards

Periodic maintenance is defined as the maintenance of a standard by review of the entire document and action to revise or reaffirm it on a schedule not to exceed five years from the date of its approval¹ as an American National Standard.

In the event that a PINS or BSR-8/108 has not been submitted for an American National Standard within five years after its approval, the standards developer may request an extension of time to reaffirm or revise the standard, or shall withdraw the standard. The request for an extension of time shall be submitted to ANSI within thirty days following five years after the approval date of the American National Standard. Requests for extensions shall provide the program and schedule of work that will lead to revision, reaffirmation, or withdrawal. The extension may be granted by the ExSC or its designee.

No extension of time beyond ten years from the date of approval shall be granted for action on a standard. ~~Except in the case of a national adoption², in no case an ANS shall a standard~~ maintained under the periodic maintenance option shall not retain its status as a current American National Standard beyond ten years from the date of approval. Such approval automatically expires on the tenth anniversary date of approval as an American National Standard.

In the event that an American National Standard approved by a standards developer who has been granted authority to designate its standards as American National Standards is not reaffirmed, revised, or withdrawn within five years after its approval, the standards developer shall follow its own procedures to ensure that work is proceeding and shall retain confirming documentation ~~notify the Institute and provide the estimated time of completion.~~ Except in the case of a national adoption³, in no case an ANS shall a standard maintained under the periodic maintenance option shall not retain its status as a current American National Standard beyond ten years from the date of approval. Such approval automatically expires on the tenth anniversary date of approval as an American National Standard.

¹ "Approval" as an ANS refers to an action to approve a new document or reaffirm or revise an existing ANS.

² See *ANSI Procedures for the National Adoption of ISO and IEC Standards as American National Standards*

³ *Ibid*

4.7.2 Continuous Maintenance

Continuous maintenance is defined as the maintenance of a standard by consideration of recommended changes to any part of it according to a documented schedule for consideration and action by the consensus body. 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 revise, reaffirm, or withdraw the standard shall be initiated in accordance with the procedures contained herein.

In the event that a BSR-8/108 has not been submitted for an American National Standard under continuous maintenance within five years of its approval ~~the~~:

- a standards developer that does not hold the status of Audited Designator may request an extension, but shall then maintain the ANS under periodic maintenance; or
- a standards developer that holds the status of Audited Designators is not required to request an extension, but shall notify ANSI in a timely manner (or within thirty days following five years after the approval date of the ANS) that the ANS will be removed from continuous maintenance and maintained under periodic maintenance.

4.5 Publication of American National Standards

American National Standards shall be published and made available as soon as possible, but no later than six months after approval as an American National Standard. The standards developer shall publish the standard or shall grant the right of publication to ANSI.

If an American National Standard is not published within six months following its approval, the standards developer may request an extension of this deadline from the ExSC or its designee. Such a request shall be in writing, shall supply the reason for the delay, and shall indicate a firm final date for publication. At its discretion, the ExSC or its designee may grant an additional period of time for publication. Audited Designators are not required to request an extension, but shall ensure an equivalent publication schedule and maintain documentation related to any publication delays.

The ExSC or its designee shall publish a notice in *Standards Action* of intent to withdraw approval if the standards developer a) fails to publish the standard or fails to grant ANSI the right to publish within six months after its approval as an American National Standard and does not request an extension of the deadline despite follow-up or b) fails to meet the extended deadline.

ANSI Executive Standards Council (ExSC) Seeks Comments on Three Guidance Documents

Comment Deadline: August 25, 2014

Guidance documents available for public comment:

- 1) ExSC_049_2014: Proposed revision to existing guidance document that addresses “Balance” within the American National Standards (ANS) process;
- 2) ExSC_050_2014: Proposed new guidance document that addresses “Lack of Dominance” within the ANS process; and
- 3) ExSC_058_2014: Proposed new guidance document on “Electronic Systems within the ANS Process”.

Comments are sought on the three informative guidance documents that follow. When submitting comments, please identify the document title and be as specific as possible. The ANSI ExSC will consider all comments and suggestions received by the comment deadline.

Thank you for your time and consideration. Questions and comments should be submitted to psa@ansi.org.



ExSC_049_2014

July 1, 2014

Balance¹ within the American National Standards process: An Informative Discussion

Note: This document is for informational use only and does not supersede the requirements set forth in the ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements), which contains the procedures that govern the American National Standards (ANS) process. It is intended to assist ANSI Accredited Standards Developers (ASDs) and those that participate in ANS standards development in understanding and implementing the requirements relating to “balance” contained in the Essential Requirements.

1.0 Background

Balance is one of the essential requirements for due process that characterize the American National Standards (ANS) process.

2.0 Accredited Procedures (see ExSC 7067 Matrix at www.ansi.org/asd):

Balance is to be addressed in a developer’s procedures, but the historical criteria (see clause 2.3 of the Essential Requirements) are not required to be explicitly referenced. The ExSC will evaluate the language contained in any balance provisions to determine if they are in compliance with the Essential Requirements. If the procedures are generic and do not otherwise address balance in detail, then the developer is bound by the historical criteria for balance.

3.0 Outreach to Achieve Balance

Balance is a goal for all ASDs in relation to an ANS consensus body and outreach to achieve balance in accordance with a developer’s accredited procedures is a requirement. The ANSI Board of Standards Review (ANSI BSR) and the ANSI Audit Program shall evaluate balance as it is defined in a developer’s accredited procedures or if the procedures are silent, then in accordance with the historical criteria for balance. Further, in the course of their review, the BSR and the Audit Program may request related evidence that demonstrates the type of outreach undertaken by a developer to achieve balance.

“Outreach” relates to documented efforts to recruit materially affected and interested parties from diverse interest categories² to become members of a balanced consensus body at the beginning of the standards development process and at appropriate points during it, should the need arise. Outreach

¹ See Annex A for excerpts from the ANSI Essential Requirements (www.ansi.org/essentialrequirements)

² The interest categories appropriate to the development of consensus in any given standards activity are a function of the nature of the standards being developed.

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via ANSI Standards Action (www.ansi.org/standardsaction) is not sufficient in and of itself; additional notice and outreach is necessary.

When one or more specific interest categories is not sufficiently populated on an ANS consensus body, it is important to undertake and document strategically placed solicitations intended to increase consensus body membership in any underrepresented interest categories. Thus, more than communications with consensus body members only is required if an ANS consensus body appears out of balance.

4. Outreach Mechanisms

Outreach can take many forms, including, but not limited to: website solicitations, webinars, meeting announcements, social media postings, solicitations in meeting agendas and reports, trade press, publications, direct E-mails/mailings, press releases, articles, phone calls (document them) and soliciting recommendations from consensus body members.

5. Evidence of Outreach Efforts

ASDs must retain documentation³ that demonstrates appropriate outreach efforts to solicit a balanced consensus body. Such documentation is subject to review during every ASD's audit and in conjunction with BSR-9 submittals. If a consensus body is not balanced in accordance with the *ANSI Essential Requirements* and the developer's accredited procedures, and such documentation is not available, it will likely be difficult for a developer to demonstrate compliance with balance requirements.

6. Balance vs. Lack of Dominance⁴

Balance and a lack of dominance are two distinct considerations. The existence of a balanced consensus body does not preclude the exercise of dominance⁵. Similarly, the existence of a less than perfectly balanced consensus body does not necessarily reflect a process in which dominance automatically occurs.

³ See 3.3 Evidence of compliance of the ANSI Essential Requirements

⁴ See "Lack of Dominance within the ANS process: An informative discussion" (see draft announced for comment)

⁵ Dominance means a position or exercise of dominant authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints. (See 1.2 ANSI Essential Requirements)

Annex A: Excerpts from the *ANSI Essential Requirements (2012)* that are relevant to **Balance**

1.3 Balance

The standards development process should have a balance of interests. Participants from diverse interest categories shall be sought with the objective of achieving balance. If a consensus body lacks balance in accordance with the historical criteria for balance, and no specific alternative formulation of balance was approved by the ANSI Executive Standards Council, outreach to achieve balance shall be undertaken.

2.3 Balance

Historically the criteria for balance are that a) no single interest category constitutes more than one-third of the membership of a consensus body dealing with safety-related standards or b) no single interest category constitutes a majority of the membership of a consensus body dealing with other than safety-related standards.

The interest categories appropriate to the development of consensus in any given standards activity are a function of the nature of the standards being developed. Interest categories shall be discretely defined, cover all materially affected parties and differentiate each category from the other categories. Such definitions shall be available upon request. In defining the interest categories appropriate to a standards activity, consideration shall be given to at least the following:

- a) producer;
- b) user;
- c) general interest.

Where appropriate, additional interest categories should be considered.⁶

Appropriate, representative user views shall be actively sought and fully considered in standards activities. Whenever possible, user participants shall be those with the requisite technical knowledge, but other users may also participate. User participation should come from both individuals and representatives of organized groups. There are several user categories:

1. User-consumer: Where the standards activity in question deals with a consumer product, such as lawn mowers or aerosol sprays, an appropriate consumer participant's view is considered to be synonymous with that of the individual user – a person using goods and services rather than producing or selling them.
2. User-industrial: Where the standards activity in question deals with an industrial product, such as steel or insulation used in transformers, an appropriate user participant is the industrial user of the product.
3. User-government: Where the standards activity in question is likely to result in a standard that may become the basis for government agency procurement, an appropriate user participant is the representative of that government agency.
4. User-labor: Where the standards activity in question deals with subjects of special interest to the American worker, such as products used in the workplace, an appropriate user participant is a representative of labor.

⁶ Further interest categories that may be used to categorize directly and materially affected persons consist of, but are not limited to, the following: a) Consumer; b) Directly affected public; c) Distributor and retailer; d) Industrial/commercial; e) Insurance; f) Labor; g) Manufacturer; h) Professional society; i) Regulatory agency; j) Testing laboratory; k) Trade association.

~~H. ANSI ExSC Discussions~~

~~The ANSI Executive Standards Council (ExSC) has discussed issues related to balance and the interpretation of associated requirements as written in the *ANSI Essential Requirements*. The essence of some of the ExSC's discussions is presented below. This information is provided for informational purposes and does not limit the ANSI ExSC's ability to consider the issue and further comment on it in the future.~~

- ~~● Accredited Procedures (see ExSC 7067 Matrix at www.ansi.org/asd):~~

~~Balance is to be addressed in a developer's procedures, but the historical criteria are not required to be explicitly referenced. The ExSC will judge the language contained in any balance provisions. If the developer has a provision that differs from the historical criteria for balance and that is approved by the ANSI ExSC, then the developer's procedures apply and evidence of outreach to achieve balance in accordance with the approved provision for balance is required instead of the historical criteria for balance.~~

- ~~● Outreach Efforts~~

~~and *outreach to achieve balance is a requirement*. Unless a developer's accredited procedures state otherwise, it is appropriate for the ANSI Board of Standards Review (ANSI BSR) and the ANSI Audit Program to utilize those criteria as benchmarks when evaluating a developer's procedural compliance related to balance and with respect to a particular BSR 9 submittal. Further, it is appropriate for the BSR to request related evidence that demonstrates the type of outreach undertaken by a developer to achieve balance.~~

~~Examples of appropriate outreach in addition to *ANSI Standards Action* follow:~~

- ~~○ Public recruitment announcements (standing announcements and specialized/targeted/periodic): website, meetings, meeting minutes, trade press, press releases, newsletters and other publications.~~
- ~~○ Individual contacts: E-mails, phone calls, mailings.~~

~~Outreach efforts relate to documented efforts to recruit materially affected and interested parties from diverse interest categories to become members of a balanced consensus body at the beginning of the standards development process and at appropriate points during it, should the need arise.~~

~~Developers must retain documentation on file that demonstrates outreach efforts to solicit a balanced consensus body. If a consensus body is not balanced in accordance with the *ANSI Essential Requirements* and the developer's accredited procedures, and such documentation is not available, it is likely that the standard will not be approved as an ANS. In addition, such documentation is subject to review during every ANSI-Accredited Standards Developer's audit.~~

~~When one or more specific interest categories is not sufficiently populated, it is important to undertake and document targeted outreach to solicit participation in any underrepresented interest categories on the consensus body. Thus, more than~~

~~communications with consensus body members only is required if an ANS consensus body appears out of balance.~~

~~• Balance vs. Lack of Dominance~~

~~Balance and a lack of dominance are two distinct considerations. The existence of a balanced consensus body does not preclude the exercise of dominance⁷. Similarly, the existence of a less than perfectly balanced consensus body does not necessarily reflect a process in which dominance automatically occurs.~~

~~⁷ Dominance means a position or exercise of dominant authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints. (See 1.2 ANSI Essential Requirements)~~



ExSC_050_2014

Draft Guidelines on “Lack of Dominance” within the American National Standards (ANS) process: An Informative Guide (July 11, 2014)

These Guidelines are for informational use only and do not supersede the requirements set forth in the ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements), which contains the procedures that govern the American National Standards process. They are intended to assist accredited standards developers and those that participate in the American National Standards (ANS) development process in understanding and implementing the requirements relating to “dominance” contained in the Essential Requirements. By definition, these guidelines are suggestions and adherence is not essential to be found in compliance with the Essential Requirements (www.ansi.org/essentialrequirements).

Within the context of the American National Standards (ANS) process, balance and a lack of dominance are two related, but distinct considerations. The existence of a balanced consensus body does not mean that no one is exercising dominance, just as the existence of an unbalanced consensus body does not mean someone is exercising dominance.

Whether balance exists on an ANS consensus body is a numerical determination based on the applicable procedures and the interest categories relevant to the nature of the standard. By contrast, dominance means a position or exercise of dominant authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints.¹

In assessing whether an attempt is being made to exclude the fair and equitable consideration of other viewpoints, a developer may consider whether one or more person(s)/organization(s)/interest group(s):

- is deliberately acting in a way which precludes others from having the opportunity to express their viewpoints;
- submits comments that are intended to or always cause a new vote;
- takes actions to “control” the agenda, the meeting schedule, ballot issuance, membership on the consensus body and/or related work groups.

Some potential ways to reduce the likelihood of dominance arising include, but are not limited to:

- a. A knowledgeable Chair is in place to ensure fairness and due process.
- b. A clear, public meeting agenda is issued and available in advance of a meeting discussion.
- c. Staff is knowledgeable of applicable procedures and demonstrates compliance with them through actions, meeting reports, ballots, etc.
- d. In relation to meeting discussions, as appropriate, consider utilizing a timekeeper/time clock.
- e. Be mindful of the interest categories represented on the consensus body versus those represented at a meeting to ensure, to the greatest extent possible, an opportunity for all viewpoints to be heard and considered.

A claim of dominance is considered a procedural grievance that is eligible for review within the appeals process at the standards developer level and subsequently, at ANSI.

¹ See clause 1.2 Lack of dominance of the ANSI Essential Requirements.

Annex A

Excerpts from the ANSI Essential Requirements (www.ansi.org/essentialrequirements) that are relevant to “Dominance” and “Lack of Dominance”

1.2 Lack of dominance

The standards development process shall not be dominated by any single interest category, individual or organization. Dominance means a position or exercise of dominant authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints.

2.2 Lack of dominance

Unless it is claimed in writing (including electronic communications) by a directly and materially affected party that a single interest category, individual or organization dominated the standards development process, no test for dominance is required.

ExSC_058_2014**PROPOSED: Draft Guidance on Electronic Systems within the ANS Process***Draft: July 11, 2014*

An interactive electronic system or database is a tool that allows collaboration between standards developers and participants in the standards development process. In light of the increasing reliance on interactive electronic systems or databases to support the standards development process, the following considerations and recommended practices are offered to encourage implementations that are consistent with the due process safeguards established in the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements).

1. Directions for use should be readily available and provide guidance for users. Guidance documentation should include information regarding how to use the specific system to perform the specific functions it is intended to accomplish or support.

These may include:

- How to join committees and email subscription lists;
 - Project participation options;
 - Submission of contributions;
 - Ballots/voting;
 - Calendar/Meeting management;
 - Submission of comments;
 - Action item management; and
 - Participation requirements tracking (voting, meeting attendance, etc.).
2. Where a system requires a password to gain access, a reasonably accessible source for assistance should be available in cases of password errors or problems. Use of an automatic “forgot password” verification system would be acceptable within this context.
 3. Safeguards should exist to allow a user to:
 - confirm successful sign-in/access to the system;
 - confirm successful acceptance of contributions by the system, e.g., comments, votes, proposals;
 - download, print or save a copy of submitted contributions; and
 - obtain a receipt that documents a contribution (automatic response email, confirmation landing page, etc.).
 4. Where a system requires comments to be submitted on individual sections of a proposed standard, any acknowledgement should, to the extent possible, indicate the specific section or sections of the proposed standard on which the commenter has submitted comments.
 5. The ability to copy comments applicable to more than one section of a standard is helpful.
 6. The date and time (including time zone) of deadlines should be specified for users clearly and visibly.
 7. If an electronic system is not operational for a period of time, then a back-up option should exist or consideration should be given to extending the timeline associated with the open action.
 8. If an electronic system goes down, consideration should be given to issuing a notice advising users, for example: “We are aware that our website is down and are working to restore it...”



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 Karen Hughes at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. 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

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 15686-5, Buildings and constructed assets - Service-life planning - Part 5: Life-cycle costing - 10/11/2014

OTHER

ISO/DIS 18211, Non-destructive testing - Long range inspection of above ground pipelines and plant piping using guided wave testing with axial propagation - 6/15/2014, \$67.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 34-1, Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 1: Trouser, angle and crescent test pieces - 10/11/2014, \$67.00

ISO/DIS 34-2, Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 2: Small (Delft) test pieces - 10/11/2014, \$62.00

WATER QUALITY (TC 147)

ISO/DIS 13167, Water quality - Plutonium, americium and curium - Test method using alpha spectrometry - 10/9/2014

ISO/IEC JTC 1, Information Technology

ISO/IEC 10373-6/NP Amd8, Extension of PICC and PCD test methods - 8/11/2014

ISO/IEC DIS 10118-1, Information technology - Security techniques - Hash-functions - Part 1: General - 10/11/2014

ISO/IEC DIS 21320-1, Information technology - Document Container File - Part 1: Core - 10/11/2014

IEC Standards

2/1756/FDIS, IEC 60034-19 Ed.2: Rotating electrical machines - Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies, 09/05/2014

2/1757/CD, IEC 60034-18-42 Ed.1: Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests, 10/10/2014

3/1189/FDIS, IEC 61082-1 Ed. 3: Preparation of Documents Used in Electrotechnology - Part 1: Rules, 09/05/2014

3C/1921/CD, IEC 60417-C00398 Ed.1: Graphical symbols for use on in-cable control and protective devices (IC-CPD), 10/10/2014

3C/1923/CD, IEC 62648 Amd 1 Ed.1: Graphical symbols for use on equipment - Guidelines for the inclusion of graphical symbols in IEC publications - Amendment 1, 10/10/2014

21/844/CD, IEC 62660-3: Secondary lithium-ion cells for the propulsion of electrical road vehicles - Part 3: Safety requirements, 10/10/2014

21A/552/CD, IEC 61951-1: Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel cadmium, 09/05/2014

21A/553/CD, IEC 61951-2: Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, 09/05/2014

21A/554/CD, IEC 61960: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications, 09/05/2014

21A/555/NP, Coin type secondary lithium cells and batteries, 10/10/2014

21A/556/CD, IEC 62619: Secondary cells and batteries containing alkaline or other non-acid electrolytes. - Safety requirements for secondary lithium cells and batteries, for use in industrial applications, 09/05/2014

23G/336/FDIS, IEC 60320-3 Ed.1: Appliance couplers for household and similar general purposes - Part 3: Standard sheets and gauges, 09/05/2014

45/777/FDIS, IEC 60412 Ed.3: Nuclear instrumentation - Nomenclature (identification) of scintillators and scintillation detectors and standard dimensions of scintillators, 09/05/2014

46C/1001/CD, IEC 61156-9: Multicore and symmetrical pair/quad cables for digital communications - Part 9: Cables for horizontal floor wiring with transmission characteristics up to 2 GHz - Sectional specification, 10/10/2014

46C/1002/CD, IEC 61156-10: Multicore and symmetrical pair/quad cables for digital communications - Part 10: Cables for work area wiring with transmission characteristics up to 2 GHz - Sectional specification, 10/10/2014

- 46F/276/CD, IEC 61169-54 ed 1.0: Radio-Frequency Connectors - Part 54: Sectional Specification for Coaxial Connectors with 10mm inner Diameter of outer Conductor, nominal Characteristic Impedance 50 Ohms, Series 4.3-10, 10/10/2014
- 46F/278/CD, IEC 60153-1 ed 2.0: Hollow Metallic Waveguides - Part 1: General requirements and measuring methods, 10/10/2014
- 46F/280/CD, IEC 60153-2 ed 3.0: Hollow Metallic Waveguides - Part 2: Relevant specifications for ordinary rectangular waveguides, 10/10/2014
- 46F/282/CD, IEC 60154-2 ed 3.0: Flanges for Waveguides - Part 2: Relevant specifications for flanges for ordinary rectangular waveguides, 10/10/2014
- 46F/284/CD, IEC 60154-1 Ed 3.0: Flanges for Waveguides - Part 1: General requirements, 10/10/2014
- 47E/476/NP, Future IEC 60747-14-x: Semiconductor devices - Part 14-x: Semiconductor sensors - Test method of eutectic bonding for sensors, 10/10/2014
- 48D/568/NP, IEC 6XXXX-1. Mechanical structures for electrical and electronic equipment - Aisle containment for it cabinets - Part 1: Dimensions and mechanical requirements, 10/10/2014
- 56/1574/CD, IEC 62775/Ed1/TS: Dependability Management - Application guide - Dependability and Financial Processes for implementing Asset Management Systems, 09/05/2014
- 56/1575/CD, IEC 62853/Ed1: Open Systems Dependability, 09/05/2014
- 56/1577/CD, IEC 61078/Ed3: Analysis techniques for dependability - Reliability block diagram and Boolean methods, 09/05/2014
- 56/1579/CD, IEC 60812/Ed3: Failure Mode and Effects analysis (FMEA), 09/05/2014
- 57/1482/NP, Future IEC 62325-451-6: Framework for energy market communications - Part 451-6: Publication of information on market, contextual and assembly models for European market, 10/10/2014
- 57/1487/CD, IEC 61970-555 Ed.1: Energy Management System Application Program Interface (EMS-API) - Part 555: CIM Based Efficient Model Exchange Format (CIM/E), 10/10/2014
- 62A/945/DTR, ISO TR 80001-2-7: Application of risk management for IT-networks incorporating medical - Application guidance - Part 2-7: Guidance for Healthcare Delivery Organizations (HDOs) on how to self-assess their conformance with IEC 80001-1, 09/05/2014
- 65A/704/FDIS, IEC 62682/Ed. 1: Management of Alarm Systems for the Process Industries, 09/05/2014
- 65C/778/FDIS, IEC 62734/Ed1: Industrial networks - Wireless communication network and communication profiles - ISA 100.11a, 09/05/2014
- 77A/861/CD, Amendment to IEC 61000-4-13: Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests, 10/10/2014
- 77A/862/CD, Amendment to IEC 61000-4-16: Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHzs, 10/10/2014
- 77B/716/CD, IEC 61000-4-31: Electromagnetic compatibility (EMC) - Part 4-31: Testing and measurement techniques - AC mains ports broadband conducted disturbance immunity test, 10/10/2014
- 77B/717/CD, IEC 61000-4-39: Electromagnetic compatibility (EMC) - Part 4-39: Testing and measurement techniques - Radiated fields in close proximity immunity test, 10/10/2014
- 80/736/CDV, IEC 62320-1 Ed.2: Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 1: AIS Base Stations - Minimum operational and performance requirements, methods of testing and required test results, 10/10/2014
- 82/869/NP, Photovoltaic devices - Part 12: Infrared thermography of photovoltaic modules (future IEC 60904-12 TS Ed.1), 10/10/2014
- 86A/1609/CD, IEC 60794-3-20/Ed3: Optical fibre cables - Part 3-20: Outdoor cables - Family specification for self-supporting aerial telecommunication cables, 10/10/2014
- 86A/1611/CD, IEC 60793-2/Ed8: Optical fibres - Part 2: Product specifications - General, 10/10/2014
- 86A/1613/CD, IEC 60794-1-1/Ed4: Optical fibre cables - Part 1-1: Generic specification - General, 10/10/2014
- 86B/3794A/FDIS, IEC 61754-7-1/Ed1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-1: Type MPO connector family - One fibre row, 08/08/2014
- 86B/3808/CD, IEC 61300-1/Ed4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance, 09/05/2014
- 86B/3809/CD, IEC 61754-31/Ed1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 31: Type N-FO connector family, 10/10/2014
- 86C/1255/CDV, IEC 61290-1-3/Ed3: Optical amplifiers - Test methods - Part 1-3: Optical power and gain parameters - Optical power meter method, 10/10/2014
- 86C/1256/CDV, IEC 62007-1/Ed3: Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Specification template for essential ratings and characteristics, 10/10/2014
- 86C/1263/CD, IEC 62343-1/Ed1: Dynamic modules - Part 1: Performance standards - General conditions, 10/10/2014
- 86C/1264/CD, IEC 62343-3-2/Ed1: Dynamic modules - Part 3-2: Performance specification templates - Optical channel monitor, 10/10/2014
- 91/1190/CD, IEC 60068-2-69 Ed. 3: Environmental testing: Part 2-69: Tests - Test Te: Solderability testing of electronic components and boards by the wetting balance (force measurement) method, 10/10/2014
- 91/1191/CD, IEC 61189-5-1 Ed.1: Test methods for electrical materials, Interconnection structures and assemblies - Part 5-1: Test methods for printed board assemblies and materials used in manufacturing electronic assemblies - Guidance Documents and Handbooks, 10/10/2014
- 100/2368/CD, IEC 60728 - Part 3-2: Method of measurement of 5th order non-linearity for active electronic equipment using five carriers (TA 5), 10/10/2014
- 18/1389/CD, IEC 60092-101: Electrical installations in ships - Part 101: Definitions and general requirements, 10/03/2014
- 21A/551/CD, IEC 60623: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable single cells, 10/03/2014
- 22E/152/CD, IEC 61204-7 Ed. 2: Low-voltage switch mode power supplies - Part 7: Safety requirements, 10/31/2014
- 34A/1783/CD, Amendment 1 to IEC 62612 Ed.1: Self-ballasted LED lamps for general lighting services with supply voltages > 50V - Performance requirements, 10/03/2014
- 45B/802/NP, Bottle/can liquid X-ray inspection system, 09/26/2014
- 45B/803/CD, IEC 61563 Ed.2: Radiation protection instrumentation - Equipment for measuring specific activity of gamma-emitting radionuclides in foodstuffs, 09/26/2014
- 45B/805/CD, IEC 62401 Ed.2: Radiation protection instrumentation - Alarming Personal Radiation Devices (PRD) for detection of illicit trafficking of radioactive material, 09/26/2014

- 47A/935/NP, Integrated circuits - Fine alignment of stacked dies in three dimensional integrated circuits, 10/03/2014
- 56/1573/CD, IEC 60300-3-10/Ed2: Dependability management - Part 3 -10: Application guide - Maintainability and supportability, 10/03/2014
- 62D/1153/FDIS, ISO 80601-2-70: Medical electrical equipment - Part 2 -70: Particular requirements for basic safety and essential performance of sleep apnoea breathing therapy equipment, 09/05/2014
- 77A/860/CD, IEC 61000-3-11: Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection, 10/03/2014
- 79/486/CD, IEC 60839-11-31 Ed.1: Alarm and electronic security systems - Part 11-31: Electronic access control systems - IP interoperability implementation based on Web services - Core specification, 09/26/2014
- 79/487/CD, IEC 60839-11-32 Ed.1: Alarm and electronic security systems - Part 11-32: Electronic access control systems - IP interoperability implementation based on Web services - Access control specification, 09/26/2014
- 79/488/CD, IEC 62692 Ed.1: Alarm and electronic security systems - Digital door lock systems - Requirements and test methods, 09/26/2014
- 86C/1249/CDV, IEC 62343-5-1/Ed2: Dynamic modules: Part 5-1 Test methods - Dynamic gain tilt equalizer - Gain tilt settling time measurement, 10/03/2014
- 86C/1251/CDV, IEC 62343-1-2/Ed2: Dynamic modules - Performance standards - Part 1-2: Tuneable chromatic dispersion compensator (non-connectorized), 10/03/2014
- 100/2366/CD, IEC 62827-1 Ed.1.0: Wireless Power Transfer - Management - Part 1: Common Components (TA 15), 10/03/2014
- 110/585/NP, Future IEC 62715-5-3: Flexible display devices - Part 5-3: Visual assessment, 10/03/2014
- CIS/A/1079/CD, Amendment 2 to CISPR 16-1-4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 10/03/2014
- CIS/A/1080/CD, Amendment 1 to CISPR 16-1-6: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, 10/03/2014
- CIS/D/419/CD, CISPR 25: Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers, 10/03/2014
- CIS/I/476/NP, CISPR 35 Ed.1.0: Electromagnetic compatibility of multimedia equipment - Immunity Requirements, 10/03/2014



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 29144:2014](#), Information technology - Biometrics - The use of biometric technology in commercial Identity Management applications and processes, \$99.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 12228-1:2014](#), Determination of individual and total sterols contents - Gas chromatographic method - Part 1: Animal and vegetable fats and oils, \$139.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 16336:2014](#), Applications of statistical and related methods to new technology and product development process - Robust parameter design (RPD), \$240.00

CERAMIC TILE (TC 189)

[ISO 10545-4:2014](#), Ceramic tiles - Part 4: Determination of modulus of rupture and breaking strength, \$66.00

ESSENTIAL OILS (TC 54)

[ISO 9235/Cor1:2014](#), Aromatic natural raw materials - Vocabulary - Corrigendum, FREE

FASTENERS (TC 2)

[ISO 4017:2014](#), Fasteners - Hexagon head screws - Product grades A and B, \$88.00

MATERIALS FOR THE PRODUCTION OF PRIMARY ALUMINIUM (TC 226)

[ISO 10143:2014](#), Carbonaceous materials for the production of aluminium - Calcined coke for electrodes - Determination of the electrical resistivity of granules, \$66.00

[ISO 18515:2014](#), Carbonaceous materials for the production of aluminium - Cathode blocks and baked anodes - Determination of compressive strength, \$58.00

[ISO 12986-1:2014](#), Carbonaceous materials used in the production of aluminium - Prebaked anodes and cathode blocks - Part 1: Determination of bending/shear strength by the three-point method, \$66.00

[ISO 12986-2:2014](#), Carbonaceous materials used in the production of aluminium - Prebaked anodes and cathode blocks - Part 2: Determination of flexural strength by the four-point method, \$77.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 10816-8:2014](#), Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 8: Reciprocating compressor systems, \$156.00

[ISO 16063-42:2014](#), Methods for the calibration of vibration and shock transducers - Part 42: Calibration of seismometers with high accuracy using acceleration of gravity, \$88.00

NATURAL GAS (TC 193)

[ISO 6974-5:2014](#), Natural gas - Determination of composition and associated uncertainty by gas chromatography - Part 5: Isothermal method for nitrogen, carbon dioxide, C1 to C5 hydrocarbons and C6 + hydrocarbons, \$149.00

OTHER

[ISO 2588:2014](#), Leather - Sampling - Number of items for a gross sample, \$51.00

ROAD VEHICLES (TC 22)

[ISO 12614-1:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 1: General requirements and definitions, \$77.00

[ISO 12614-2:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 2: Performance and general test methods, \$77.00

[ISO 12614-3:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve, \$58.00

[ISO 12614-4:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 4: Manual valve, \$58.00

[ISO 12614-5:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge, \$58.00

[ISO 12614-6:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 6: Pressure regulator, \$58.00

[ISO 12614-8:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve, \$66.00

[ISO 12614-9:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 9: Gas-tight housing and ventilation hose, \$58.00

[ISO 12614-10:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 10: Rigid fuel line in stainless steel, \$58.00

[ISO 12614-11:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 11: Fittings, \$58.00

[ISO 12614-12:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 12: Rigid fuel line in copper and its alloys, \$58.00

[ISO 12614-13:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 13: Tank pressure control regulator, \$58.00

[ISO 12614-14:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 14: Differential pressure fuel content gauge, \$58.00

[ISO 12614-15:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 15: Capacitance fuel content gauge, \$58.00

[ISO 12614-16:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 16: Heat exchanger - vaporizer, \$66.00

[ISO 12614-17:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 17: Natural gas detector, \$58.00

[ISO 12614-18:2014](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 18: Gas temperature sensor, \$58.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 18766:2014](#), Rubber, vulcanized or thermoplastic - Low temperature testing - General introduction and guide, \$58.00

SMALL TOOLS (TC 29)

[ISO 242:2014](#), Carbide tips for brazing on turning tools, \$58.00

[ISO 243:2014](#), Turning tools with carbide tips - External tools, \$66.00

[ISO 514:2014](#), Turning tools with carbide tips - Internal tools, \$66.00

SOCIETAL SECURITY (TC 223)

[ISO 22397:2014](#), Societal security - Guidelines for establishing partnering arrangements, \$108.00

STEEL (TC 17)

[ISO 4999:2014](#), Continuous hot-dip terne (lead alloy) coated cold-reduced carbon steel sheet of commercial, drawing and structural qualities, \$139.00

TEXTILES (TC 38)

[ISO 16533:2014](#), Textiles - Measurement of exothermic and endothermic properties of textiles under humidity change, \$108.00

[ISO 12945-3:2014](#), Textiles - Determination of the fabric propensity to surface pilling, fuzzing or matting - Part 3: Random tumble pilling method, \$108.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 730/Amd1:2014](#), Agricultural wheeled tractors - Rear-mounted three-point linkage - Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 - Amendment 1, \$22.00

[ISO 11783-6:2014](#), Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 6: Virtual terminal, \$314.00

WATER QUALITY (TC 147)

[ISO 17289:2014](#), Water quality - Determination of dissolved oxygen - Optical sensor method, \$108.00

[ISO 5667-6:2014](#), Water quality - Sampling - Part 6: Guidance on sampling of rivers and streams, \$149.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 13469:2014](#), Mechanical joining - Form-fit blind rivets and (lock) bolt joints - Specifications and qualification of testing procedures, \$123.00

ISO Technical Specifications

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO/TS 22762-4:2014](#), Elastomeric seismic-protection isolators - Part 4: Guidance on the application of ISO 22762-3, \$165.00

SMALL TOOLS (TC 29)

[ISO/TS 13399-201:2014](#), Cutting tool data representation and exchange - Part 201: Creation and exchange of 3D models - Regular inserts, \$165.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TS 17427:2014](#), Intelligent transport systems - Cooperative systems - Roles and responsibilities in the context of cooperative ITS based on architecture(s) for cooperative systems, \$189.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 14496-12/Cor2:2014](#), Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Corrigendum, FREE

[ISO/IEC 14496-28/Cor2:2014](#), Information technology - Coding of audio-visual objects - Part 28: Composite font representation - Corrigendum, FREE

[ISO/IEC 15444-12/Cor2:2014](#), Information technology - JPEG 2000 image coding system - Part 12: ISO base media file format - Corrigendum, FREE

[ISO/IEC 15149-1:2014](#), Information technology - Telecommunications and information exchange between systems - Magnetic field area network (MFAN) - Part 1: Air interface, \$180.00

[ISO/IEC 17839-1:2014](#), Information technology - Biometric System-on-Card - Part 1: Core requirements, \$66.00

[ISO/IEC 20006-1:2014](#), Information technology for learning, education and training - Information model for competency - Part 1: Competency general framework and information model, \$189.00

IEC Standards

ELECTRICAL ACCESSORIES (TC 23)

[IEC 61534-1 Amd.1 Ed. 2.0 b:2014](#), Amendment 1 - Powertrack systems - Part 1: General requirements, \$20.00

[IEC 61534-1 Ed. 2.1 b:2014](#), Powertrack systems - Part 1: General requirements, \$424.00

FUSES (TC 32)

[IEC 60269-1 Amd.2 Ed. 4.0 b:2014](#), Amendment 2 - Low-voltage fuses - Part 1: General requirements, \$31.00

[IEC 60269-1 Ed. 4.2 b:2014](#), Low-voltage fuses - Part 1: General requirements, \$545.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60400 Amd.2 Ed. 7.0 b:2014](#), Amendment 2 - Lampholders for tubular fluorescent lamps and starterholders, \$14.00

[IEC 60400 Ed. 7.2 b:2014](#), Lampholders for tubular fluorescent lamps and starterholders, \$605.00

OTHER

[CISPR 16-1-1 Amd.2 Ed. 3.0 b:2014](#), Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus, \$73.00

[CISPR 16-1-1 Ed. 3.2 b:2014](#), Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus, \$545.00

**PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES
(TC 59)**

[IEC 60705 Amd.1 Ed. 4.0 b:2014](#), Amendment 1 - Household microwave ovens - Methods for measuring performance, \$157.00

[IEC 60705 Ed. 4.1 b:2014](#), Household microwave ovens - Methods for measuring performance, \$484.00

SURGE ARRESTERS (TC 37)

[IEC 60099-4 Ed. 3.0 b:2014](#), Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems, \$411.00

Proposed Foreign Government Regulations

Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

(NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: <http://www.nist.gov/notifyus/> and click on "Subscribe".

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

Information Concerning

American National Standards

INCITS Executive Board

ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

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

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

- o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

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

- **Other**

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

SCTE is currently seeking to broaden the membership base of its 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 or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Approval of Accreditation

Society of Allied Weights Engineers (SAWE)

ANSI's Executive Standards Council has approved the Society of Allied Weights Engineers (SAWE), a new ANSI Organizational Member in 2012, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on SAWE-sponsored American National Standards, effective July 9, 2014. For additional information, please contact: Mr. Jeffrey Cerro, Deputy Director of SAWE Standards & Practices Committee, Society of Allied Weights Engineers, Vehicle Analysis Branch, Systems and Concepts Directorate, NASA Langley Research Center, MS 451, 1 N. Dryden Street, B1209, Hampton, VA 23681; phone: 757.864.9151; e-mail: jeffrey.a.cerro@nasa.gov.

Approval of Reaccreditation

Joint Committee on Standards for Educational Evaluation (JCSEE)

ANSI's Executive Standards Council has approved the reaccreditation of Joint Committee on Standards for Educational Evaluation (JCSEE), an ANSI Organizational Member, under its recently revised operating procedures for documenting consensus on JCSEE-sponsored American National Standards, effective July 1, 2014. For additional information, please contact: Donald Yarbrough, Ph.D. Chair, Joint Committee on Standards for Educational Evaluation, The Center for Evaluation & Assessment, University of Iowa, 210 Lindquist Center, Iowa City, IA 52242-5567; phone: 319.335.5567; e-mail: d-yarbrough@uiowa.edu.

Reaccreditations

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

Comment Deadline: August 11, 2014

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), an ANSI Organizational Member, has submitted revisions to its currently accredited Procedures for ASHRAE Standards Actions (PASA) for documenting consensus on ASHRAE-sponsored American National Standards, last accredited in 2012. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of ASHRAE's revised PASA or to offer comments, please contact: Ms. Tanisha Meyers-Lisle, Procedures Administrator, ASHRAE, 1791 Tullie Cir., Atlanta, GA 30329; phone: 678.539.1111; e-mail: TMeyers-Lisle@ashrae.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to ASHRAE by August 11, 2014, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthomps@ANSI.org).

IPC – Association Connecting Electronics Industries

Comment Deadline: August 11, 2014

IPC – Association Connecting Electronics Industries, an ANSI Organizational Member, has submitted revisions to its currently accredited operating procedures for documenting consensus on IPC-sponsored American National Standards, last accredited in 2007. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of IPC's revised procedures or to offer comments, please contact: Ms. Jeanne Cooney, Manager, ANSI Programs, IPC – Association Connecting Electronics Industries, 3000 Lakeside Drive, Suite 309S, Bannockburn, IL 60015; phone: 847.597.2842; e-mail: JeanneCooney@ipc.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised policies and procedures to IPC by August 11, 2014, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthomps@ANSI.org).

NACE International – The Corrosion Society

Comment Deadline: August 11, 2014

NACE International – The Corrosion Society, an ANSI Organizational Member, has submitted revisions to its currently accredited procedural manual for documenting consensus on NACE-sponsored American National Standards, last accredited in 2013. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of NACE's revised procedures or to offer comments, please contact: Ms. Linda Goldberg, Director, Technical Activities, NACE International, 15835 Park Ten Place, Houston, TX 77084; phone: 281.228.6221; e-mail: Linda.Goldberg@nace.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedural manual to NACE by August 11, 2014, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthomps@ANSI.org).

National Ground Water Association (NGWA)

Comment Deadline: August 11, 2014

The National Ground Water Association (NGWA), an ANSI Organizational Member, has submitted revisions to its currently accredited operating procedures for documenting consensus on NGWA-sponsored American National Standards, last accredited in 2007. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain copies of NGWA's revised procedures or to offer comments, please contact: Ms. Jessica Rhoads, Industry Practices Administrator, National Ground Water Association, 601 Dempsey Road, Westerville, OH 43081; phone: 800.551.7379, ext. 511; e-mail: jrhoads@ngwa.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised policies and procedures to NGWA by August 11, 2014, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthomps@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Voluntary Withdrawals

SNC-Lavalin, Inc.

Comment Deadline: August 11, 2014

SNC-Lavalin, Inc.

John Lindner
8648 Commerce Court
Burnaby, BC V5A 4N6, Canada
Phone: 604-662-3555 x 2656
E-mail: John.Lindner@snclavalin.com

On June 10, 2014, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies accepted a request from SNC-Lavalin, Inc. to voluntarily withdraw its accreditation for the following:

Standards:

ISO 14065: Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Office: Burnaby, BC

Scopes:

Verification of assertions related to GHG emissions reductions & removals at the organizational level

- Group 1 – General
- Group 2 – Manufacturing
- Group 3 – Power Generation
- Group 5 – Mining and Mineral Production
- Group 6 – Metals Production
- Group 7 – Chemical Production
- Group 8 – Oil and gas extraction, production and refining including petrochemicals

Office: Longueuil, QC

Scopes:

Verification of assertions related to GHG emissions reductions & removals at the organizational level

- Group 1 – General
- Group 2 – Manufacturing
- Group 3 – Power Generation
- Group 5 – Mining and Mineral Production
- Group 6 – Metals Production
- Group 7 – Chemical Production
- Group 8 – Oil and gas extraction, production and refining including petrochemicals

Please send your comments by August 11, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.

WSP Canada, Inc.

Comment Deadline: August 11, 2014

WSP Canada, Inc.
Steve Pelletier
1600 Boulevard, René-Lévesque Ouest
Montréal, QC H3H 1P9 Canada
Phone: 418-623-2254, Ext. 4106
E-mail: Steve.Pelletier@wspgroup.com

On June 27, 2014, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies accepted a request from WSP Canada, Inc. to voluntarily withdraw its accreditation for the following:

Standards:

ISO 14065: Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Scopes:

Verification of assertions related to GHG emission reductions & removals at the project level

- 01. GHG emission reductions from fuel combustion

Please send your comments by August 11, 2014 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Scope Extension

Curtis-Strauss, LLC

Comment Deadline: August 11, 2014

Mr. Tadas Stukas - Quality & HSE Manager

Curtis-Straus, LLC

One Distribution Center Circle, Suite #1
Littleton, MA 01460
Phone: 978-486-8880
Fax: 978-486-8828
E-mail: tadas.stukas@us.bureauveritas.com
Web: www.curtis-strauss.com

Curtis-Straus, LLC, an ANSI-accredited certification body, has submitted a request for a scope extension to include the following:

- iDA TS CMT

Please send your comments by August 11, 2014 to Reinaldo Balbino Figueiredo, Senior Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

Calls for US/TAGs and US/TAG Administrators

ISO/TC 82/SC 7 – Mine Reclamation Management

A new ISO Technical Committee ISO/TC 82/SC 7 – Mine reclamation management has been formed. The Secretariat has been allocated to KATS (Korea). The scope of ISO/TC 82 is as follows:

Standardization of:

- specifications relating to specialised mining machinery and equipment used in opencast mines (e.g., conveyors, high wall miners, rock drill rigs and continuous surface miners) and all underground mining machinery and equipment for the extraction of solid mineral substances, but excluding the preparation and processing of the minerals;
- recommended practice in the presentation of plans and drawings used in mine surveying;
- methods of calculation of mineral reserves;
- mine reclamation management;
- design of structures for mining industry.

Excluded:

- standardization of equipment and protective systems to be used in explosive atmospheres (dealt with by IEC/TC 31);
- earth-moving machinery dealt with by ISO/TC 127.

Organizations interested in obtaining additional information about this new committee should contact ANSI at isot@ansi.org.

U.S Technical Advisory Groups

Approval of Reaccreditation

U.S. TAG to ISO TC 131 – Fluid Power Systems

At the direction of ANSI's Executive Standards Council, the reaccreditation of the U.S. Technical Advisory Group to ISO TC 131, Fluid power systems, under its recently revised operating procedures has been approved, effective July 8, 2014. For additional information, please contact the TAG Administrator: Ms. Denise Rockhill, MBA, CAE, Technology & Standards Manager, National Fluid Power Association, 6737 W. Washington Street, Suite 2350, Milwaukee, WI 53214; phone: 414.778.3354; e-mail: drockhill@nfpa.com.

Meeting Notices

ANSI-Accredited U.S. TAG to ISO/TC 229 – Nanotechnologies

The ANSI-Accredited U.S. TAG to ISO/TC 229 Nanotechnologies will meet on August 19 -20, 2014, at the Offices of King and Spalding in Washington, DC. For additional information or to join the U.S. TAG, please contact Heather Benko (hbenko@ansi.org) at ANSI.

Revision of AHRI Standards 450/451, Water-Cooled Refrigerant Condensers, Remote Type, and 460/461, Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on July 21 from 1 p.m. to 3 p.m. If you are interested in participating in the meeting or providing comments on the standard please contact AHRI staff member Richie Mohan at rmohan@ahrinet.org.

Revision of AHRI Standards 270, Sound Rating of Outdoor Unitary Equipment, 300, Sound Rating and Sound Transmission Loss of Packaged Terminal Equipment, and 350, Sound Rating of Non-Ducted Indoor Air-Conditioning Equipment

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on August 18 from 10 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard please contact AHRI staff member Danny Abbate at dabbate@ahrinet.org.

IIAR 4

Installation of Closed-Circuit Ammonia Refrigeration Systems

International Institute of Ammonia Refrigeration
1001 North Fairfax Street
Suite 503
Alexandria, VA 22314
Phone: (703) 312-4200
Fax: (703) 312-0065
www.iiar.org

Note: This document shows substantive changes made subsequent to the second public review. Certain portions of the original text remain to provide the reader with some context. You are invited to provide comments on only the changes shown in red below. Please disregard formatting irregularities. Contact the IIAR if you wish to see the entire document to gain further context.

5.4.15 Anchors, their attachment points and methods of installation shall be sufficient to bear all loads.

5.4.15.1 Mechanically expanded concrete anchor bodies shall not be adjusted (e.g. axially spun) after being set and have acceptable shaft length exposed for pull testing.

7.1.1 All exposed rotating components (e.g., shafts, belts, pulleys, flywheels, couplings) shall be protected with screens, ~~or~~ guards or access doors in accordance with approved safety standards [ref.4.2.1.1].

10.2 The piping materials used for closed-circuit ammonia mechanical refrigeration systems, whether fabricated in a shop or as a field erection, shall comply with ASME B31.5-2013, Refrigeration Piping [ref.4.1.1.2], ~~except where other materials are allowed by 10.3.~~

10.3 Pipe

10.3.3.2 Overpressure protection relief ~~valve-vent~~ piping which does not relieve into another part of the closed-circuit ammonia mechanical refrigeration system is not part of the closed-circuit ammonia mechanical refrigeration system.

EXCEPTIONS:

(a) Overpressure protection relief piping is permitted to be galvanized or un-galvanized ASTM A120, A53/A120, or A53 – Type F (ref.4.1.2.1 and ref.4.1.2.2). It is recommended that when these grades of un-galvanized pipe are used, the pipe be clearly identified with paint striping to prevent their use in the closed-circuit refrigeration system.

(b) Malleable iron ASTM A197 fittings are an acceptable material for overpressure protection relief piping systems (ref.4.1.2.3).

10.4 Refrigerant Valves

10.4.5.5 In refrigeration systems which have refrigerant charge of 100 pounds or less, shut-off (stop) valves are not required.

10.5.6 Suction lines, low-temperature liquid lines, accumulators, surge drums and similar cold surfaces shall be insulated to mitigate and control condensation.

EXCEPTION:

~~Surfaces where condensation or ice could form in valve groups or in equipment shall be permitted to be left un-insulated to accommodate access for service provided the adjacent insulation vapor retarder is sealed to the piping or equipment. See Exceptions Section 12.1.2~~

~~11.1.6 Refrigeration piping or components, whose surface temperature is expected to be at or below the dew point temperature at any time, shall be insulated and conditioned to prevent or mitigate condensation and shall not be located over electrical equipment.~~

~~EXCEPTION: Where the potential for condensation or drips above the electrical equipment cannot be avoided, the electrical equipment shall be protected. (REVIEWERS PLEASE NOTE: this section was eliminated because it was redundant.~~

12.1 Refrigeration piping or components, whose surface temperature is expected to be at or below the dew point temperature at any time, shall be insulated and conditioned to prevent or mitigate condensation and shall not be located over electrical equipment.

EXCEPTION: Where the potential for condensation or drips above the electrical equipment cannot be avoided, the electrical equipment shall be protected.

EXCEPTION: The location of un-insulated portions of the system shall avoid locations where dripping would result in a nuisance or hazard.

12.1.1 All exterior refrigerant lines which require insulation shall have an insulation thickness selected to minimize condensation and minimize heat gain into the refrigerant within the piping. See Informative Appendix B

12.1.2 Surfaces where condensation or ice could form in valve groups or in equipment shall be permitted to be left un-insulated to accommodate access for service, provided the vapor stops are installed at all terminations in the adjacent insulation ~~has its-~~The vapor retarder ~~sealed to the piping or equipment shall be complete and continuous throughout the insulation system.~~

13.1.2 Preparation for Leak Testing

All joints shall remain unpainted and un-insulated until field leak testing has been completed.

Prior to testing, the following preparations shall be made:

13.1.2.1 Valve off and isolate from any test pressures all refrigeration compressors, non-hermetic liquid pumps, pressure switches and pressure transducers.

Appendix A (Normative)

Minimum Values for Leak Test Pressure – NH₃

	Compressors		LP Side Components Including Vessels, Heat Exchangers, Evaporators, Pumps & Piping	Hot Gas Defrost Evaporators & Piping	HP Side Components Including Valves, Sensing Devices, Heat Exchangers, Condensers, Pumps & Piping	
	LP Side & Boosters	HP Side			Water-cooled Systems	Air-cooled Systems
psig	250	300	250	250	300 <u>250</u>	300
kPa gage	1724	2069	1724	1724	2069 <u>1724</u>	2069

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NSF 401 for Drinking Water Treatment Units –

Drinking water treatment units –
 Emerging Compounds/Incidental Contaminants

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2 Normative references

NSF/ANSI 58, *Reverse Osmosis Drinking Water Treatment Systems*

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7 Elective performance claims – test methods

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7.2.3 Chemical Reduction Claims – RO device membrane

7.2.3.1 Chemical reduction test water

A public water supply shall be used with the following specific characteristics maintained throughout the test for inorganic chemical reduction claims:

total dissolved solids (TDS)	200 – 500 mg/L
turbidity	≤ 1 NTU
pH	7.5 ± 0.5
temperature	25 ± 1 °C (77 ± 2 °F)

7.2.3.2 Method

Two systems shall be conditioned in accordance with the manufacturer's instructions using the appropriate general test water specified in 7.2.3.1. The systems shall be tested using the appropriate influent challenge water at an initial dynamic pressure of 350 ± 18 kPa (50 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. Pre-membrane and post-membrane filters shall be removed prior to testing.

7.2.3.3 Sampling

Influent and product water samples shall be collected and analyzed for all test contaminants following 4 h and 12 h on Day 1 of testing. The storage tank shall be emptied at each sample point. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank at the beginning of the day and after an elapsed time of 6 and 12 h. A test contaminant sample shall be collected and analyzed from the tank. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which

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Issue 1 Revision 2.1 (June 2014)

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no-product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period, and the storage tank shall be emptied after each test contaminant sample collection. After the last sample for test contaminants is collected, the storage tank shall be emptied.

7.2.3.3.1 — Systems with storage tank and automatic shut-off

Influent and product water samples shall be collected and analyzed for all test contaminants following 4 h and 12 h on Day 1 of testing. The storage tank shall be emptied at each sample point. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank at the beginning of the day and after an elapsed time of 6 and 12 h. A test contaminant sample shall be collected and analyzed from the tank. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h period, and the storage tank shall be emptied after each test contaminant sample collection. After the last sample for test contaminants is collected, the storage tank shall be emptied.

7.2.3.3.2 — Counter top systems with storage tanks or reservoirs

Influent and product water samples shall be collected and analyzed for all test contaminants following 4 h and 8 h of testing on Day 1. The storage tank shall be emptied at each sample point. On days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank at the beginning of the day and after an elapsed time of 6 and 12 h from which a test contaminant sample shall be collected and analyzed. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4 h period, and the storage tank shall be emptied after each test contaminant sample collection. After the last sample for test contaminants is collected, the storage tank shall be emptied.

7.2.3.3.3 — Systems without storage tanks

Influent and product water samples shall be collected and analyzed for all test contaminants following 4 h and 8 h on Day 1 of testing. On Days 2 to 4 of testing, samples shall be collected at the beginning of the day and after an elapsed time of 6 and 12 h and analyzed for TDS. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a test contaminant sample shall be collected and analyzed. A final sample shall be collected and analyzed on Day 7 for the first 4-h period.

7.2.3.3.4 — Systems with no shut-off provisions

Influent and product water samples shall be collected and analyzed for test contaminants at 4-h intervals on Day 1 of testing, including 4, 8, 12, and 16 h. The storage tank shall be emptied and the product water volume shall be recorded in liters (gallons) at each 4-h sample point. On Days 2 to 4 of testing, 5% of the first day's production rate shall be withdrawn from the storage tank at the beginning of the day and after an elapsed time of 6 and 12 h. A test contaminant sample shall be collected and analyzed from the tank. Days 5 and 6 represent a 54-h stagnation period, under pressure, during which no product water shall be withdrawn. At the start of Day 7, 144 h into the test, a sample shall be collected and analyzed, followed by emptying of the storage tank. A final sample shall be collected and analyzed on Day 7 for the first 4-h

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~~period, and the storage tank shall be emptied after each test-contaminant sample collection. After the last sample for test-contaminants is collected, the storage tank shall be emptied.~~

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8 Instruction and information

8.1 Installation, operation, and maintenance instructions

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~~for RO systems production rate in L/d (gpd) as determined by testing to NSF/ANSI Standard 58 and in relation to published efficiency rating, recovery rating, or both, if applicable;~~

~~for RO systems equipped with an automatic shut-off valve and a pressurized or non-pressurized storage tank:~~

~~a statement describing the system's efficiency rating as verified by testing in accordance with NSF/ANSI Standard 58 along with the following: "Efficiency rating means the percentage of the influent water to the system that is available to the user as reverse osmosis treated water under operating conditions that approximate typical daily usage;" and~~

~~if the recovery rating is also reported, a statement describing the system's recovery rating as verified by testing in accordance with NSF/ANSI Standard 58. The recovery rating shall be reported together with or in succession with the efficiency rating, shall be presented in the same type and size font as the efficiency rating, and shall be reported in the same units of measurement as the efficiency rating, along with the following: "Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed;"~~

~~–for all other RO systems:~~

~~–if the recovery rating is stated, a statement describing the system's recovery rating as verified by testing in accordance with NSF/ANSI Standard 58, along with the following: "Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed;"~~

~~–a statement noting the need for the system and installation to comply with state and local laws and regulations;~~

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~~for RO systems specific requirements of the influent water characteristics (e.g., chlorine, bacteria, pH, temperature, iron, turbidity, hardness, pressure) that may affect RO membrane polymers or other components, addressed in language easily understood by the user;~~

~~a statement for RO systems equipped with an automatic shut-off device that claim efficiency performance: "This reverse osmosis system contains a replaceable component critical to the efficiency of the system. Replacement of the reverse osmosis component should be with one of identical specifications, as defined by the manufacturer, to ensure the same efficiency and contaminant reduction performance."~~

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8.4 Performance data sheet

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~~for RO systems the production rate in L/d (gpd) as determined by testing to NSF/ANSI Standard 58 and in relation to published efficiency rating, recovery rating, or both, if applicable;~~

~~for RO systems specific requirements of the influent water characteristics (e.g., chlorine, bacteria, pH, temperature, iron, turbidity, hardness, pressure) that may affect RO membrane polymers or other components, addressed in language easily understood by the user;~~

~~for RO systems equipped with an automatic shut-off valve and a pressurized or non-pressurized storage tank:~~

~~a statement describing the system's efficiency rating as verified by testing in accordance with NSF/ANSI Standard 58 along with the following: "Efficiency rating means the percentage of the influent water to the system that is available to the user as reverse osmosis treated water under operating conditions that approximate typical daily usage."~~

~~if the recovery rating is also stated, a statement describing the system's recovery rating as verified by testing in accordance with NSF/ANSI Standard 58. The recovery rating shall be reported together with or in succession with the efficiency rating, shall be presented in the same type and size font as the efficiency rating, and shall be reported in the same units of measurement as the efficiency rating, along with the following: "Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed."; and~~

~~for all other RO systems:~~

~~if the recovery rating is stated, a statement describing the system's recovery rating as verified by testing in accordance with NSF/ANSI Standard 58, along with the following: "Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed."~~

Reason: Removed RO protocol and labeling requirements per 2014 JC meeting discussion (May 14, 2014) until the concerns raised by the task group on the current RO procedure can be addressed and the RO protocol can be validated and resubmitted with the appropriate recommended changes.

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NSF/ANSI Standard For Drinking Water Treatment Units —

Drinking water treatment units — Health effects

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7.2.2 Inorganic reduction testing

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7.2.2.2 7.2.3 Non-regenerating Perchlorate reduction testing

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7.2.2.2.7 7.2.3.7 Method – POU

Two systems shall be conditioned in accordance with the manufacturer's instructions using the perchlorate reduction water specified in 7.2.3.5 with the test contaminant present.

7.2.2.2.7.1 7.2.3.7.1 Plumbed-in systems without reservoirs and all faucet-mounted systems

Two systems shall be conditioned in accordance with the manufacturer's instructions using the perchlorate reduction water specified in 7.2.3.5 7.2.2.2.5. The systems shall be tested using the influent challenge water at the maximum flow rate attainable by setting an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psi). The pressure shall not be readjusted although the system may experience some change in dynamic pressure. The operating cycle specified in 7.2.3.6 7.2.2.2.6 shall be used.

7.2.2.2.7.1.1 7.2.3.7.1.1 Refrigerator filters without integral flow control

Chemical reduction testing for refrigerator filters without an integral automatic fixed flow-rate control shall be performed at a controlled flow rate that is equal to or greater than the rated service flow of the refrigerator filter system and refrigerator plumbing.

7.2.2.2.7.1.2 7.2.3.7.1.2 Refrigerator filters without integral flow control, with water dispenser and ice maker

If the refrigerator filter does not include an integral automatic fixed flow-rate control, and supplies water to both a water dispenser and an ice maker, then any chemical reduction testing shall be performed at a controlled flow rate equal to or greater than the tested flow rate of the icemaker or the tested flow rate of the water dispenser, whichever is greater.

7.2.2.2.7.2 7.2.3.7.2 Plumbed-in systems with reservoirs

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Issue 51, Revision 16 (June 2014)

~~The method specified in 7.2.2.2.7.1 shall be followed except that Two systems shall be conditioned in accordance with the manufacturer's instructions using the perchlorate reduction water specified in 7.2.3.5. The system shall be tested using the influent challenge water at the maximum flow rate attainable by setting an initial dynamic pressure of 410 ± 20 kPa 60 ± 3 psi). The pressure shall be readjusted although the system may experience some change in dynamic pressure. Where the design of the system does not lend itself to the operating cycle specified in 7.2.3.6 7.2.2.2.6, the operating cycle shall be a repetitive complete filling and emptying of the reservoir. It is acceptable to run this cycle may be continued continuously for 24 h per day.~~

~~7.2.2.2.7.3~~ 7.2.3.7.3 Non-plumbed pour-through-type batch treatment systems

Two systems shall be tested using the appropriate challenge and influent water after establishment of the manufacturer's recommended use pattern with automatic cycling. If there is not a recommended use pattern, the systems shall be operated on the basis of four times the bed volume per batch. The cycle shall include a rest period of 15 to 60 min between batches, timed from the cessation of streamed flow.

7.2.3.7.3.1 Mouth drawn drinking water treatment units

Products meeting the definition for mouth drawn drinking water treatment unit shall be evaluated using the method specified in Annex F.

~~Two units shall be conditioned in accordance with the manufacturer's instructions using the appropriate test water specified in 7.2.3.5 with the test contaminant present.~~

7.2.3.7.3.2 Squeeze bottle drinking water treatment units

Products meeting the definition for squeeze drawn drinking water treatment unit shall be evaluated using the method specified in Annex G.

~~Two units shall be conditioned in accordance with the manufacturer's instructions using the appropriate general test water specified in 7.2.3.5 with the test contaminant present.~~

Reason: Removed conditioning instructions for plumbed-in systems, mouth-drawn, and squeeze bottle sections as they are redundant and now included under the general header of 7.2.3.7.

~~7.2.2.2.8~~ 7.2.3.8 Sampling-POU

~~The effluent of the test device shall be sampled after a minimum of one bed volume has passed through the column or ½ of the cycle ON time has passed, whichever is greater. During the "ON" portion of the cycle, influent and effluent samples shall be collected. For systems with performance indication devices, the system shall be tested to 120% of the rated capacity. For systems without performance indication devices, the system shall be tested to 200% of the estimated capacity. Samples shall be collected as shown in 7.2.3.8.1 for nitrate nitrogen and 7.2.3.8.2 for perchlorate.~~

~~7.2.2.2.8.1~~ 7.2.3.8.1 Inorganic sampling – Nitrate Nitrogen

~~For POU and pour-through systems with performance-indication devices, influent and effluent samples shall be collected for nitrate nitrogen analysis at 5%,10%,15%, 20%, 25%, 50%, 75%, 100%, and 120% of the estimated capacity. For systems without a performance indication device, influent and effluent samples shall be collected for nitrate nitrogen analysis at 5%, 10%, 15%, 20%, 25%, 50%, 75%, 100%,150%, 180% and 200% of the estimated capacity. Sample should be taken during the ON portion of the cycle.~~

~~7.2.2.2.8.2 7.2.3.8.2 Perchlorate~~

~~For POU and pour through systems with performance indication devices, during the "on" portion of the cycle, influent and effluent samples shall be collected for perchlorate analysis at the start of the test (after the passage of 10 unit volumes) and at 25%, 50%, 75%, 100%, and 120% of the estimated capacity. For systems without performance indication device, during the "on" portion of the cycle, influent and effluent samples shall be collected for perchlorate analysis at the start of the test (after the passage of 10 unit volumes) and at 50%, 100%, 150%, 180% and 200% of the estimated capacity. Samples adequate for analysis shall be collected after at least one unit bed volume has passed through the device or ½ of the cycle ON time has passed, whichever is greater.~~

Reason: Sections 7.2.3.8, 7.2.3.8.1, and 7.2.3.8.2 are being deleted per R. Herman's suggestion since the POU and POE sampling procedures are identical.

~~7.2.2.2.9 7.2.3.9 Method – POE – Full scale units~~

~~Two systems shall be conditioned in accordance with the manufacturer's instructions using the perchlorate reduction water specified in 7.2.3.5 7.2.2.2.5. The systems shall be tested using the influent challenge water (7.2.3.5 7.2.2.2.5) at the rated service flow at an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psi). The pressure shall not be readjusted although the system may experience some change in dynamic pressure. The flow rate shall be controlled to the rated service flow or the maximum flow rate achievable through the entire test, but if the flow rate cannot be maintained at greater than 25% of the rated service flow, the test shall be terminated. The operating cycle specified in 7.2.3.6 7.2.2.2.6 shall be used.~~

Reason: The flow rate should be maintained at the rated service flow, but if the system begins to clog, the maximum flow rate achievable without increasing pressure should be maintained.

~~7.2.2.2.9.10 7.2.3.10 Sampling~~

~~The effluent of the test system shall be sampled after a minimum of one bed volume has passed through the column or ½ of the cycle ON time has passed, whichever is greater.~~

~~7.2.2.2.9.10.1 7.2.3.10.1 Inorganic sampling – Nitrate Nitrogen~~

~~For POU and pour through systems with performance indication devices, influent and effluent samples shall be collected for nitrate nitrogen analysis at 5%, 10%, 15%, 20%, 25%, 50%, 75%, 100%, and 120% of the estimated capacity. For systems without performance indication device, influent and effluent samples shall be collected for nitrate analysis at 5%, 10%, 15%, 20%, 25%, 50%, 75%, 100%, 180% and 200% of the estimated capacity.~~

~~7.2.2.2.9.10.2 7.2.3.10.2 Perchlorate~~

~~For POU and pour through systems with performance indication devices, during the "on" portion of the cycle, influent and effluent samples shall be collected for perchlorate analysis at the start of the test (after the passage of 10 unit volumes) and at 25%, 50%, 75%, 100%, and 120% of the estimated capacity. For systems without performance indication device, during the "on" portion of the cycle, influent and effluent samples shall be collected for perchlorate analysis at the start of the test (after the passage of 10 unit volumes) and at 50%, 100%, 150%, 180% and 200% of the estimated capacity. Samples adequate for analysis shall be collected after at least one unit bed volume has passed through the device or ½ of the cycle ON time has passed, whichever is greater.~~

Reason: Removed last sentence under 7.2.3.10.2 as it was redundant to the statement under the general header of 7.2.3.10 – Sampling.

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NSF/ANSI 342 – 20XX

Sustainability Assessment for Wallcovering Products

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7.2.2 Fire resistance & Smoke Density

The manufacturer shall receive four points for providing documentation of fire resistance showing that the product performs at or above industry standards as described in NFPA 101. Additionally, the manufacturer can receive two points for demonstrating that the product performs at or above relevant industry standards for smoke density as described in NFPA 101.

The testing to demonstrate compliance to NFPA 101 must be performed at an independent and qualified testing laboratory *that demonstrates a quality program meeting the requirements of ISO Guide 17025, including written test procedures.* The test results at the time of certification that show compliance will remain in place until there is a product or processing change that is significant enough to impact compliance to the standard's requirements.

Reason: Section 7.2.2 was discussed at the Joint Committee Meeting on October 10, 2011. The additions to these sections were suggested to address Issue Paper 3 – Sections 7.2.1, 7.2.2, 7.3.1, 7.3.2, and 7.3.3, and Product Selection. This section is being reballoted due to a negative comment on the first ballot for this section (342i2r3). The part in italic with grey highlighting has been added to this ballot.

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8.2.2.2 The distributor shall receive points for the percent of its revenue from *all of the wallcoverings it distributes in the facility* ~~the specific certified product~~ that it commits to documented programs associated with improving the reclamation ~~rate of its products~~ *wallcoverings*. Points shall be awarded as follows:

- One point for 0.05% of revenue from *all of the wallcoverings distributed in the facility* ~~the specific certified product~~ that is invested (annual average, maximum five-year averaging);
- Two points for 0.10% of revenue from *all of the wallcoverings distributed in the facility* ~~the specific certified product~~ that is invested (annual average, maximum five-year averaging); or
- Three points for 0.15% or more of revenue from *all of the wallcoverings distributed in the facility* ~~the specific certified product~~ that is invested (annual average, maximum five-year averaging).

A maximum of three points shall be awarded for ~~Section~~ 8.2.2.2 for the distributor.

Qualifying activities include research and development in materials processing and new product

Tracking Number 342i6r1
Revision - Sustainability assessment for Wall Coverings Products
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Issue 6, Revision 1 (June 2014)

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development (using reclaimed materials); purchase and installation of processing equipment to be used wholly or in part for the processing of reclaimed wallcovering materials, including composting grinding equipment; and other quantifiable financial support of post-consumer material collection, processing, manufacturing and distribution activities (including ongoing labor expenses).

Reason: This section was discussed at the Joint Committee Meeting on October 10, 2011. There was a discussion about making the Distributor sections more focused on the facility operation rather than the product. The wallcoverings may not be in the facility, so it may be more accurate to represent this as all of the wallcoverings a distributor distributes. This section is being rebaloted due to a negative comment on the first ballot for this section (342i2r3). The parts in italic have been updated since the last balloted language for this section.

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BSR/UL 67, Standard for Safety for Panelboards

1. *New Requirements for Accessibility of Live Parts on Line Side of Service Disconnect*

PROPOSAL

5.4.3 Metal barriers provided to limit exposure to inadvertent contact shall:

a) Have a thickness not less than 0.032 inch (0.81 mm) if uncoated, not less than 0.034 inch (0.86 mm) if galvanized, and not less than 0.050 inch (1.27 mm) if aluminum.

b) Be constructed so that it can be readily installed and removed without the likelihood of contacting bare live parts or damage the insulation of any insulated live part.

5.4.4 Nonmetallic barriers provided to limit exposure to inadvertent contact shall:

a) Comply with requirements in 14.3.3 for barriers used in conjunction with a minimum air space of 0.013 inch (0.33 mm).

b) Be constructed so that it can be readily installed and removed.

5.4.5 Panelboards marked "Suitable for use as service equipment" and

a) Constructed in accordance with 5.7.4 and designed for use interchangeably either with main-terminal or a single service disconnect only, or

b) Provided with a single service disconnect,

shall be permitted to provide the protection from inadvertent contact in 5.4.2 in a field installable kit when marked in accordance with 32.12.12.

32.9.11 Panelboards marked "Suitable for use as service equipment" and provided with protection from inadvertent contact in a field installable kit, as permitted in 5.4.5, shall be marked "Install Service Barrier Kit, Cat. Number _____" or equivalent. See 32.12.12.

BSR/UL 746C, *Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations*

PROPOSAL FOR UL 746C

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Side-by-side test requirement for exposed and unexposed samples after UV and water immersion test

57.2.2 Two sets of specimens are to be exposed. For twin enclosed carbon-arc, one set is to be exposed for a total of 360 hours and the second set for a total of 720 hours. For xenon-arc, one set is to be exposed for a total of 500 hours and the second set for a total of 1000 hours. After the test exposure, the specimens are to be removed from the test apparatus, examined for signs of deterioration such as crazing or cracking, and retained under conditions of ambient room temperature and atmospheric pressure for not less than 16 hours, nor more than 30 days, before being subjected to flammability and physical tests. For comparative purposes, specimens that have not been exposed to ultraviolet light and water are to be subjected to these tests at the same time that the final exposed specimens are tested. As a part of the test program, specimens that have not been exposed to ultraviolet light and water are to be subjected to flammability and physical tests and the results obtained are compared against the specimens that have undergone exposure

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BSR/UL 1283, Standard for Safety for Electromagnetic Interference Filters

1. Revision of Requirements for Capacitors

24 Capacitors

24.1 Capacitors other than those employed in a secondary circuit shall comply with the Dielectric Voltage-Withstand Test, Section 28, Insulation Resistance Test, Section 29, and Endurance Test, Section 31.

Exception No. 1: ~~Capacitors that comply with the across-the-line requirements in the Standard for Capacitors and Suppressors for Radio- and Television Type Appliances, UL 1414, meet the requirements for use in Filters.~~

Exception No. 2 1: Capacitors employed within filters that are subjected to the tests outlined in 24.1 meet the requirements.

Exception No. 3 2: Capacitors that comply with the requirements in ~~the Standard for Fixed Capacitors for use in Electronic Equipment, IEC 60384-14, or the Standard for Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains, UL 60384-14, meet the requirements for use in filters. Unless specifically rated for dc voltage, these capacitors may be used in dc applications up to 2 times their ac voltage ratings.~~

24.1.1 Capacitors complying with UL 60384-14 satisfy the requirements in Insulating Materials, Section 17, and Flammability Characteristics of Polymeric Materials, Section 20.

24.2 A discharge means, such as a bleeder resistor, shall be provided to drain the charge stored in a capacitor if necessary to comply with the requirements in Capacitance, Section 37 Capacitor Discharge, Section 37.1.

24.3 A capacitor employing a dielectric medium more combustible than askarel shall not vent or rupture and expel the dielectric medium under conditions of normal or abnormal use.

~~24.4 Capacitors, which involve the risk of fire, electric shock or injury to persons when shorted, of appliance filters intended for use in radio-, television- and video-type appliances shall comply with the requirements in the Standard for Capacitors and Suppressors for Radio- and Television-Type Appliances, UL 1414.~~

~~24.5 Capacitors connected across a primary circuit or between a primary circuit and dead metal parts, including the grounding conductor, for appliance filters intended for use in telephone equipment, telephone equipment power supplies, and the like, shall comply with the requirements for across-the-line capacitors in the Standard for Capacitors and Suppressors for Radio- and Television-Type Appliances, UL 1414.~~

~~24.6 Capacitors within a primary circuit intended for use in Information Technology Equipment shall comply with the applicable requirements for "Capacitors in Primary Circuits" (1.5.6) in the Standard for Information Technology Equipment Safety - Part 1: General Requirements, UL 60950-1.~~

~~24.7 Capacitors intended for use in Medical Equipment shall comply with the applicable requirements for "Connections for Capacitors" (56.4) in the Standard for Medical Electrical Equipment, Part 1: General Requirements for Safety, UL 60601-1.~~

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