ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: August 23, 2015

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

Addenda

BSR/ASHRAE Addendum 55f-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013)

This is a proposed modification to the scope of Standard 55 (Section 2) to ensure the standard is not used to override any safety, health, or critical process requirements.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum 62.2c-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

This proposed change aims to account for the difference between range hoods and other exhaust fans in kitchens in their ability to remove particles. Bathroom requirements are unchanged.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum 62.2L-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

The current standard allows single-point blower door testing when determining an infiltration credit. This proposed change reduces the equations that are currently in the standard to a single, simple equation that is consistent with the use of a single-point test rather than requiring the user of the standard to go through the entire set of equations including intermediate steps. This proposed change will make infiltration credit calculations simpler for those using a single-point blower door test.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum 62.2n-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

This proposed change updates the requirements for ventilation controls, especially in the case of systems that are intended to operate continuously or automatically in multifamily units. It also updates the language related to the labeling of whole building mechanical ventilation controls by approving icons for use in addition to text-based labels. Finally, the proposal recognizes humidity sensors as a form of automatic controls for demand-controlled mechanical ventilation.

Click here to view these changes in full

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

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

Addenda

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

Makes the requirement for inclusion of all building loads in the Appendix G simulation normative instead of informative. Inclusion of all building loads in an energy simulation is important to the accuracy of the simulation and to ensure efficient technologies are properly credited.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1d-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum corrects and clarifies a potentially confusing requirement in which a designer may conclude that bonus lighting power control factors from Table 9.6.3 Control Factors Used in Calculating Additional Interior LPD of ANSI/ASHRAE/IES Standard 90.1 cannot be used.

Click here to view these changes in full

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/USGBC/IES Addendum 189.1e-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum provides control credits for institutional tuning that are in addition to the control factors that already exist in ANSI/ASHRAE/IES Standard 90.1-2013.

Click here to view these changes in full

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/USGBC/IES Addendum 189.1f-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum is intended to modify Table 6.3.2.1, Plumbing Fixtures and Fittings Requirements, to make it consistent with the text of paragraph 6.3.2.1b.

Click here to view these changes in full

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/USGBC/IES Addendum 189.1g-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

These proposed changes to ANSI/ASHRAE/IES/USGBC 189.1 are intended to provide a higher level of indoor moisture control than is currently required by reference to ANSI/ASHRAE/Standard 62.1.

Click here to view these changes in full

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 B16.48-201x, Line Blanks (revision of ANSI/ASME B16.48-2010)

This Standard covers pressure-temperature ratings, materials, dimensions, tolerances, marking, and testing for operational line blanks in sizes NPS 1/2 through NPS 24 for installation between ASME B16.5 flanges in the 150, 300, 600, 900, 1500, and 2500 pressure classes.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 53-201x (i101), Drinking Water Treatment Systems - Health Effects (revision of ANSI/NSF 53-2015)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems.

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

NSF (NSF International)

Revision

BSR/NSF 58-201x (i73), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2014)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse-osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers 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

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 specfications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Robert Rouse, (603) 314-5380, rrouse@tcia.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60065-201x, Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements (national adoption of IEC 60065 with modifications and revision of ANSI/UL 60065-2013)

The proposed eighth edition of the Standard for Audio, Video and Similar Electronic Apparatus - Safety Requirements, UL 60065. Proposed changes to 9.1.1.2.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (408) 754-6722, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 21-201x, Standard for Safety for LP-Gas Hose (revision of ANSI/UL 21-2014)

(1) Additional options to measure pressure, (2) Hose length, (3) Additional valve types, (4) Update of fuel oil type.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498A-201X, Standard for Safety for Current Taps and Adapters (Proposal dated 07-24-15) (revision of ANSI/UL 498A-2014)

This recirculation provides revisions to the UL 498A proposal dated 9-19-2014.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2014b)

To resolve comments received by UL to a proposal for revised requirements for UL 778 dated May 8, 2015.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (408) 754-6656, Derrick.L.Martin@ul.com

Comment Deadline: September 7, 2015

API (American Petroleum Institute)

Withdrawal

ANSI/API RP 17C/ISO 13628-3-2002 (R2005), Recommended Practice for TFL (Through Flowline) Systems (withdrawal of ANSI/API RP 17C/ISO 13628-3-2002 (R2005))

This part of ISO 13628 specifies requirements and gives recommendations for the design, fabrication, and operation of TFL equipment and systems. The procedures and requirements presented are for the hydraulic servicing of downhole equipment, subsea tree and tubing hanger, and flowlines and equipment within the flowlines.

Single copy price: $125.00

Obtain an electronic copy from: baniake@api.org

Order from: Edmund Baniak, (202) 682-8135, baniake@api.org

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

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

BSR/ASABE/ISO 3776-3:2009 MONYEAR, Tractors and machinery for agriculture - Seat belts - Part 3: Requirements for assemblies (national adoption of ISO 3776-3:2009 with modifications and revision of ANSI/ASABE AD3776-3-2012)

Specifies the requirements for pelvic restraint (seat) belt assemblies intended to be used by the operators of agricultural tractors and self-propelled machinery.

Single copy price: $55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.100-110-201x, Document Imaging Compatibility (revision of ANSI X9.100-110-2011)

This standard specifies the location and background design of essential check data fields and is intended for all business-size and personal-size checks.

Single copy price: $60.00

Obtain an electronic copy from: janet.busch@x9.org

Order from: Janet Busch, (410) 267-7707, janet.busch@x9.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 62.2m-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

This proposal change integrates multifamily buildings into the rest of the standard rather than leaving them in a separate section. This makes it more clear that multifamily dwelling units and single-family homes are subject to the same requirements. No changes to the requirements themselves have been proposed with this change proposal.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

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

Addenda

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

This is a review of Independent Substantive Changes. The addendum describes a mechanism by which IPv6 can be added to BACnet and remain backwards compatible with existing devices and also adds an additional method for VMAC determination.

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

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

Addenda

BSR/ASHRAE Addendum be 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 lighting-specific BIBBs and device profiles.

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

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

Addenda

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

The Network Port object has a couple of limitations when applied to advanced network setups. This addendum adds Advanced Network Configuration. The addendum also addresses BVLL Responses for non-BBMD Devices.

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

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

Addenda

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

This proposal adds a new approach to Simplified Building Lighting for Retail Buildings and School Buildings. This method will provide a simplified method of compliance while saving energy through reduced LPDs and additional controls.

Single copy price: $35.00

Obtain an electronic copy from: standards.section@ashrae.org

Order from: standards.section@ashrae.org

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

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

Addenda

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

This proposed addendum adds a new approach to Simplified Building Lighting for small offices. For this ISC, the lighting power allowance in parking lots and drives was reduced by adding LED luminaires to the design. Parking garage was reduced by adding LED luminaires to the design.

Single copy price: $35.00

Obtain an electronic copy from: standards.section@ashrae.org

Order from: standards.section@ashrae.org

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

ASQ (ASC Z1) (American Society for Quality)

New National Adoption

BSR/ASQ/ISO 14001:2015, Environmental management systems - Requirements with guidance for use (identical national adoption of ISO 14001:2015)

Specifies the requirements for an environmental management system that an organization can use to enhance its environmental performance. It is intended for use by an organization seeking to manage its environmental responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.

Single copy price: $173.00

Obtain an electronic copy from: standards@asq.org

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

ASQ (ASC Z1) (American Society for Quality)

New National Adoption

BSR/ISO/ASQ 9000:2015, Quality management systems - Fundamentals and vocabulary (identical national adoption of ISO 9000:2015)

Describes the fundamental concepts and principles of quality management that are universally applicable. It specifies the terms and definitions that apply to all quality management and quality management system standards developed by ISO/TC 176.

Single copy price: $51.00

Obtain an electronic copy from: standards@asq.org

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

ASQ (ASC Z1) (American Society for Quality)

New National Adoption

BSR/ISO/ASQ 9001:2015, Quality management systems - Requirements (identical national adoption of ISO 9001:2015)

Specifies requirements for a quality management system. All requirements are generic and are intended to be applicable to all organizations, regardless of type, size, and product provided.

Single copy price: $173.00

Obtain an electronic copy from: standards@asq.org

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

B11 (B11 Standards, Inc.)

Reaffirmation

BSR B11.9-2010 (R201x), Safety Requirements for Grinding Machines (reaffirmation of ANSI B11.9-2010)

This standard applies to all stationary grinding machines, used in either industrial or commercial applications, that utilize an abrasive product to change the shape, size, or surface finish of any material.

Single copy price: $70.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

B11 (B11 Standards, Inc.)

Reaffirmation

BSR B11.12-2005 (R201x), Safety requirements for roll-forming and roll-bending machines (reaffirmation of ANSI B11.12-2005 (R2010))

This standard specifies the safety requirements for the design, construction, operation, and maintenance (including installation, dismantling, and transport) of roll-forming and roll-bending machines.

Single copy price: $70.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

B11 (B11 Standards, Inc.)

Reaffirmation

BSR B11.20-2004 (R201x), Safety Requirements for Integrated Manufacturing Systems (reaffirmation of ANSI B11.20-2004 (R2009))

This American National Standard specifies the safety requirements for the design, construction, set-up, operation and maintenance (including installation, dismantling, and transport) of integrated manufacturing systems. An integrated manufacturing system: (a) incorporates two or more industrial machines, at least one of which is a machine tool; (b) is linked by a material handling system; (c) is interconnected with and coordinated by a control system; and (d) is capable of being re-programmed, re-configured, or re-sequenced for the manufacturing of a variety of discrete parts or assemblies.

Single copy price: $70.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

CSA (CSA Group)

Revision

BSR Z21.24-201X, Connectors for Gas Appliances (same as CSA 6.10 -201X) (revision of ANSI Z21.24-2005 (R2010) and ANSI Z21.24a-2008 (R2010))

Details test and examination criteria for gas appliance connectors limited to a maximum nominal length of 6 feet (1.83 m). Such connectors are suitable for connecting gas-fired appliances to fixed gas supply lines containing natural, manufactured, or mixed gases; liquefied petroleum gases; or LP gas-air mixtures at pressures not in excess of 1/2 psig (3.5 kPa). These connectors are intended for use with residential and commercial gas appliances that are not frequently moved after installation.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

CSA (CSA Group)

Revision

BSR Z21.75-201X, Hose Connectors for Outdoor Gas Appliances and Manufactured Homes (same as CSA 6.27) (revision of ANSI Z21.75-2007 (R2012) and ANSI Z21.75a-2009 (R2012))

Details test and examination criteria for connectors suitable for non-rigid connection of outdoor gas appliances not frequently moved after installation, or manufactured (mobile) homes to gas supply lines containing natural, manufactured, mixed, and liquefied petroleum (LP) gases and LP gas-air mixtures at pressures not in excess of 1/2 psi (3.5 kPa). These connectors shall have a nominal length of not less than 1 foot nor more than 6 feet.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

NPES (ASC CGATS) (Association for Suppliers of Printing, Publishing and Converting Technologies)

New National Adoption

BSR CGATS 12642-2 (IT8.7/4)-201x, Graphic technology - Input data for characterization of 4-colour process printing - Part 2: Expanded data set (identical national adoption of ISO 12642-2)

This part of ISO 12642 defines a data set of ink value combinations that are intended to be used to characterize 4-color process printing. This data set is not optimized for any printing process or application area but is robust enough for all general applications. The needs of publication, commercial, and package printing with offset, gravure, flexography, and other printing processes have been considered. While it is primarily aimed at process color printing with CMYK inks, it can also be used with any combination of three chromatic colored inks and a dark ink. It is an alternate to the ISO 12642-1 data set where more robust data is required.

Single copy price: $110.00

Obtain an electronic copy from: dorf@npes.org

Order from: Debra Orf, (703) 264-7200, dorf@npes.org

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

NW&RA (ASC Z245) (National Waste & Recycling Association)

Revision

BSR Z245.41-201X, Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (revision of ANSI Z245.41 -2008)

Establishes safety requirements with respect to the design, manufacture, installation, reconstruction, modification, maintenance, and operation of facilities for the processing of commingled recyclable materials. It does not cover other types of facilities such as, waste-to-energy plants, scrap processing facilities, transfer stations, or mixed waste processing facilities, unless there is a commingled processing operation as part of these facilities.

Single copy price: $120.00

Obtain an electronic copy from: www.wasterecycling.org

Order from: www.wasterecycling.org

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

TIA (Telecommunications Industry Association)

Addenda

BSR/TIA 568-C.2-1-200x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100? Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)

Develop a new category of cabling to support future applications beyond 10GBASE-T (a new category of cabling to support increased capacity for future applications).

Single copy price: $256.00

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 1183-1-201x, Measurement Methods and Test Fixtures for Balun-Less Measurements of Balanced Components and Systems, Extending Frequency Capabilities to 2 GHz. (addenda to ANSI/TIA 1183-2012)

The scope is to provide necessary information to extend measurement capabilities to 2 GHz with sufficient accuracy to support category 8 cabling standards: ANSI/TIA 568-C.2-1 (when published).

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 568.3-D-201x, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568-C.3-2008)

This Standard is applicable to premises optical fiber cabling and components. Specified in this Standard are requirements for components, such as cable, connectors, connecting hardware and cords. Basic connectivity arrangements formed from these components are also defined. Connector test requirements and guidelines for field testing are also incorporated into this Standard.

Single copy price: $174.00

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)

Revision

BSR/TIA 571-C-201x, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)

TIA-571-B is up for 5-year review. It has been determined that updating and revisions are required. Some items that need consideration are:

• Scope – Expansion of the scope to include communications equipment typically found at the premises in today's broadband environment;

• Vibration Tests – It is now generally recognized that random vibration is more representative of real-world conditions and should replace the current sinusoidal vibration tests;

• Surge tests – Consideration should be given to TIA 1194, "Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines" as well as a complete review of this section to make sure the standard reflects the latest technologies, installations and adequately addresses the real surge environment for various types of equipment.

Different testing paths should be considered for different uses and installations of equipment. For example, consumer/enterprise, portable/installed equipment, etc.

Single copy price: $101.00

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.)

Revision

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

Proposal dated 7-24-15 proposes new cooking nuisance and polyurethane flaming and smoldering tests to the seventh edition of UL 217, which covers electrically operated single- and multiple-station smoke alarms intended for open area protection in indoor locations and portable smoke alarms used as "travel" alarms in accordance with NFPA 72, NFPA 302, and NFPA 501C.

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 1283-201X, Standard for Safety for Electromagnetic Interference Filters (Proposal dated 07-24-15) (revision of ANSI/UL 1283-2015)

This proposal includes a revision to Section 27, Temperature, to be in line with IEC 60939.

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: Ross Wilson, (919) 549 -1511, Ross.Wilson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1569-201x, Standard for Safety for Metal-Clad Cables (Proposal dated 07-24-15) (revision of ANSI/UL 1569-2014a)

This proposal includes the following: (1) Addition of requirements to address Type MC cable that employs both power and/or lighting conductors and signal and/or control conductors and that employs an inner jacket, (2) Revision to the fixture wire sizes used in MC cable, (3) Addition of requirements to include TPE and LDFRPE/HDFRPE jacket deformation test, and (4) Addition of requirements to include nickel-base alloy conductors used in certain fixture wires.

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: Ross Wilson, (919) 549 -1511, Ross.Wilson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2157-201x, Standard for Safety for Electric Clothes Washing Machines and Extractors (revision of ANSI/UL 2157-2004 (R2010))

(1) Recirculation of the adoption of the third edition of the Standard for Electric Clothes Washing Machines and Extractors, UL 2157.

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: Mitchell Gold, (847) 664 -2850, Mitchell.Gold@ul.com

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

TIA (Telecommunications Industry Association)

ANSI/TIA 464-C-1-2004 (R2009), Telecommunications - Multiline Terminal Systems - Requirements for PBX Switching Equipment, Addendum 1

Questions may be directed to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

TIA (Telecommunications Industry Association)

ANSI/TIA 594-B-2004 (R2009), Telecommunications - Multiline Terminal Systems - Synchronization Methods and Technical Requirements for Private Integrated Services Networks

Questions may be directed to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

TIA (Telecommunications Industry Association)

ANSI/TIA 596-1992 (R2010), Network Channel Terminating Equipment for Public Switched Digital Service

Questions may be directed to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

TIA (Telecommunications Industry Association)

ANSI/TIA 689-A-2003 (R2009), Telecommunications - Multi Terminal Systems - PBX KTS support of Enhanced 9-1-1 Calling Services

Questions may be directed to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

UL (Underwriters Laboratories, Inc.)

ANSI/UL 1028-2007, Standard for Safety for Hair Clipping and Shaving Appliances

Questions may be directed to: Lane Terrell, (919) 549-1309, lane.terrell@ul.com

UL (Underwriters Laboratories, Inc.)

ANSI/UL 1028-2011, Standard for Hair Clipping and Shaving Appliances

Questions may be directed to: Amy Walker, (847) 664-2023, Amy.K. Walker@us.ul.com

UL (Underwriters Laboratories, Inc.)

ANSI/UL 1028-2011a, Standard for Hair Clipping and Shaving Appliances

Questions may be directed to: Amy Walker, (847) 664-2023, Amy.K. Walker@us.ul.com

Call for Members (ANS Consensus Bodies)

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

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
Office: 1791 Tullie Circle NE
Atlanta, GA 30329
Contact: *Tanisha Meyers-Lisle*
Phone: (678) 539-1111
Fax: (678) 539-2111
E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 125-201x, Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems (revision of ANSI/ASHRAE Standard 125-1992 (R2011))

ASQ (ASC Z1) (American Society for Quality)
Office: 600 N Plankinton Ave
Milwaukee, WI 53203
Contact: *Julie Sharp*
Phone: (414) 272-8575
E-mail: standards@asq.org

BSR/ASQ/ISO 14001:2015, Environmental management systems - Requirements with guidance for use (identical national adoption of ISO 14001:2015)

Obtain an electronic copy from: standards@asq.org

BSR/ISO/ASQ 9000:2015, Quality management systems - Fundamentals and vocabulary (identical national adoption of ISO 9000:2015)

Obtain an electronic copy from: standards@asq.org

BSR/ISO/ASQ 9001:2015, Quality management systems - Requirements (identical national adoption of ISO 9001:2015)

Obtain an electronic copy from: standards@asq.org

ASSE (Safety) (American Society of Safety Engineers)
Office: 520 N. Northwest Highway
Park Ridge, IL 60068
Contact: *Tim Fisher*
Phone: (847) 768-3411
Fax: (847) 296-9221
E-mail: TFisher@ASSE.org

BSR/ASSE Z590.3-2011 (R201x), Prevention through Design: Guidelines for Addressing Occupational Risks in Design and Redesign Processes (reaffirmation of ANSI/ASSE Z590.3-2011)

MSS (Manufacturers Standardization Society)
Office: 127 Park Street, NE
Vienna, VA 22180-4602
Contact: *Robert O'Neill*
Phone: (703) 281-6613
Fax: (703) 281-6671
E-mail: boneill@mss-hq.org

BSR/MSS SP-135-201x, High Pressure Knife Gate Valves (new standard)

NASBLA (National Association of State Boating Law Administrators)
Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511
Contact: *Pamela Dillon*
Phone: (859) 225-9487
E-mail: pam@nasbla.org

BSR/NASBLA 102-201X, Basic Boating Knowledge - Sailing (new standard)

NEMA (ASC C29) (National Electrical Manufacturers Association)
Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Contact: *Gerard Winstanley*
Phone: (703) 841-3231
E-mail: Gerard.Winstanley@Nema.org

BSR C29.1-201x, Electrical Power Insulators - Test Methods (revision of ANSI C29.1-1988 (R2012))

BSR C29.8-201x, Wet Process Porcelain Insulators - Apparatus, Cap, and Pin Type (revision of ANSI C29.8-1985 (R2012))

BSR C29.9-201x, Wet Process Porcelain Insulators - Apparatus, Post-Type (revision of ANSI C29.9-1983 (R2012))

BSR C29.10-201x, Standard for Wet Process Porcelain Insulators - Indoor Apparatus Type (revision of ANSI C29.10-1989 (R2012))

NW&RA (ASC Z245) (National Waste & Recycling Association)
Office: 4301 Connecticut Ave, Suite 300
Washington, DC 20008
Contact: *Bret Biggers*
Phone: (202) 364-3710
E-mail: bbiggers@wasterecycling.org

BSR Z245.41-201X, Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (revision of ANSI Z245.41-2008)

Obtain an electronic copy from: www.wasterecycling.org

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 400 sp-2011 (R201x), Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (reaffirmation of ANSI/TAPPI T 400 sp-2011)

TCIA (ASC A300) (Tree Care Industry Association)

Office: 136 Harvey Road
Suite 101
Londonderry, NH 03053

Contact: *Robert Rouse*

Phone: (603) 314-5380

Fax: (603) 314-5386

E-mail: rrouse@tcia.org

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

Obtain an electronic copy from: rrouse@tcia.org

TIA (Telecommunications Industry Association)

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

Contact: *Germaine Palangdao*

Phone: (703) 907-7497

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 568.3-D-201x, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568-C.3-2008)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 568-C.2-1-200x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100? Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 571-C-201x, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)

Obtain an electronic copy from: TIA

BSR/TIA 1183-1-201x, Measurement Methods and Test Fixtures for Balun-Less Measurements of Balanced Components and Systems, Extending Frequency Capabilities to 2 GHz. (addenda to ANSI/TIA 1183-2012)

Obtain an electronic copy from: standards@tiaonline.org

Final Actions on American National Standards

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.100-111-2015, Specifications for Check Endorsements (revision of ANSI X9.100-111-2009): 7/20/2015

AWS (American Welding Society)

Reaffirmation

ANSI/AWS A5.19-92 (R2015), Specification for Magnesium Alloy Welding Electrodes and Rods (reaffirmation of ANSI/AWS A5.19 -1992 (R2006)): 7/17/2015

ANSI/AWS A5.28/A5.28M-2005 (R2015), Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding (reaffirmation of ANSI/AWS A5.28/A5.28M-2005): 7/21/2015

Revision

ANSI/AWS D1.5M/D1.5-2015, Bridge Welding Code (revision of ANSI/AWS D1.5M/D1.5-2010): 7/15/2015

AWWA (American Water Works Association)

New Standard

ANSI/AWWA C514-2015, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard): 7/16/2015

EASA (Electrical Apparatus Service Association)

Revision

ANSI/EASA AR100-2015, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2010): 7/21/2015

NSF (NSF International)

Revision

* ANSI/NSF 50-2015 (i100r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014): 7/15/2015

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.

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

Office: 2111 Wilson Boulevard
Suite 500
Arlington, VA 22201

Contact: *Daniel Abbate*

Fax: (703) 562-1942

E-mail: dabbate@ahrinet.org

BSR/AHRI Standard 220-201x, Reverberation Room Qualification and Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 220-2010)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to provide the methodology for the determination of Sound Power Levels of noise sources that emit Broad band Sound and/or Discrete Frequency Sounds/Tones in reverberation rooms.

This standard applies to HVAC products where sound power is determined by measurement using the Comparison Method in a reverberation room that meets the qualification requirements as defined in Section 4 of this standard.

BSR/AHRI Standard 900 (I-P)-201x, Performance Rating of Thermal Storage Equipment Used for Cooling (revision and redesignation of ANSI/AHRI Standard 900-2004)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for Thermal Storage Equipment used for cooling: definitions; classifications; test requirements; rating requirements ; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.

This standard applies to Thermal Storage Equipment used for cooling, which may be charged and discharged with any of a variety of heat transfer fluids. The equipment, as further described in Sections 3 and 4, may be fully factory assembled; assembled on-site from factory-supplied components; or field erected in accordance with pre-established design criteria.

BSR/AHRI Standard 901 (SI)-201x, Performance Rating of Thermal Storage Equipment Used for Cooling (revision and redesignation of ANSI/AHRI Standard 901-2010)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for Thermal Storage Equipment used for cooling: definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.

This standard applies to Thermal Storage Equipment used for cooling, which may be charged and discharged with any of a variety of heat transfer fluids. The equipment, as further described in Sections 3 and 4, may be fully factory assembled; assembled on-site from factory-supplied components; or field erected in accordance with pre-established design criteria.

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Tanisha Meyers-Lisle*

Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

BSR/ASHRAE Standard 125-201x, Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems (revision of ANSI/ASHRAE Standard 125-1992 (R2011))

Stakeholders: Apartment or multifamily building owners, local code officials, and consumers (renters).

Project Need: Testing thermal energy meters.

The purpose of this standard is to provide a method of testing factory-assembled thermal energy meters used to measure the thermal energy added to or extracted from a liquid stream supplying an HVAC system.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016
Contact: *Mayra Santiago*
Fax: (212) 591-8501
E-mail: ansibox@asme.org

BSR/ASME B18.2.6M-201x, Metric Fasteners for Use in Structural Applications (revision of ANSI/ASME B18.2.6M-2012)

Stakeholders: Manufacturers and users of metric fasteners used in structural applications.

Project Need: Revised to reflect the current state of the art.

This Standard covers the complete general and dimensional data for products in the metric series for sizes M12 through M36. These four metric structural products include:
(a) Metric Heavy Hex Structural Bolts: ASTM A325M and ASTM A490M;
(b) Metric Heavy Hex Nuts: ASTM A563M;
(c) Hardened Metric Steel Washers; Circular, Circular Clipped, and Beveled: ASTM F436M; and
(d) Metric Compressible Washer-Type Direct Tension Indicators: ASTM F959M.

BSR/ASME B18.16.6-201x, Nylon Insert Locknuts (Inch Series) (revision of ANSI/ASME B18.16.6-2014)

Stakeholders: Manufacturers and users of nylon-insert locknuts.

Project Need: Revised to reflect current state of the art.

This standard covers the complete general, dimensional, mechanical, and performance requirements (proof load, prevailing torque, and torque-tension) for carbon-steel inch-series nylon-insert locknuts of grades N2, N5, and N8 in styles NE (1/4 inch - 1 1/2 inches), NTE (1/4 inch - 1-1/2 inches), NU (1/4 inch - 3 inches), NTU (1/4 inch - 3 inches), NM (#2 - #12), NTM (#2 - #12), and hex flange (1/4 inch - 3/4 inch).

BSR/ASME MFC-9-201x, Measurement of Liquid Flow in Closed Conduits by Weighing Method (revision and redesignation of ANSI/ASME MFC-9M-1998 (R2001))

Stakeholders: Individuals and organizations involved with liquid flow-rate measurement in closed conduits by measuring the mass of liquid delivered into a weighing tank in a known time interval.

Project Need: Revised to reflect the current state of the art.

This Standard specifies a method of liquid flow rate measurement in closed conduits by measuring the mass of liquid delivered into a weighing tank in a known time interval. It deals in particular with the measuring apparatus, procedure, and method for calculating the flow rate and the uncertainties associated with the measurement.

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068
Contact: *Tim Fisher*
Fax: (847) 296-9221
E-mail: TFisher@ASSE.org

BSR/ASSE Z590.3-2011 (R201x), Prevention through Design: Guidelines for Addressing Occupational Risks in Design and Redesign Processes (reaffirmation of ANSI/ASSE Z590.3-2011)

Stakeholders: Safety, health, and environmental professionals.

Project Need: Based upon the consensus of the leadership of the American Society of Safety Engineers and users of the standard.

This Standard provides guidance on including prevention through design concepts and processes as a specifically identified element in a safety and health management system so that decisions pertaining to occupational risks are incorporated into the design and redesign processes, including consideration of the life cycle of facilities, materials, and equipment.

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street, NW
Suite 500
Washington, DC 20005
Contact: *Kerrianne Conn*
Fax: (202) 347-7125
E-mail: kconn@atis.org

BSR/ATIS 0600015.09-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting of Base Station Metrics (revision of ANSI/ATIS 0600015.09-2015)

Stakeholders: Communications industry.

Project Need: The need to report base station input power in relation to its performance still exists within industry. Comparisons of base station input power are greatly informed when product capability is considered.

Release 2 of the Methodology for Measurement and Reporting of Radio Base Station Metrics (ATIS 0600015.09.2015) will soon be completed. While Release 2 specifies a method for characterizing base-station input power, it was also originally intended to include a method for characterizing base-station energy efficiency. Due to time constraints, a placeholder section for energy efficiency characterization was included in the standard for completion at a future date.

CSA (CSA Group)

Office: 8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Contact: *Cathy Rake*
Fax: (216) 520-8979
E-mail: cathy.rake@csagroup.org

BSR C22.2 No. 273-201x, Cablebus (new standard)

Stakeholders: Cablebus manufacturers.

Project Need: To address cablebus systems as per the scope of the standard.

This Standard applies to a complete cablebus system (termination to termination) and associated fittings rated at not more than 46 kV and intended for use in accordance with the Canadian Electrical Code, Part I and General Requirements - Canadian Electrical Code, Part II, CSA C22.2 No. 0, and National Electrical Code, NEC. These requirements do not apply to metal-enclosed busways, as covered by CSA C22.2 No. 201, CSA C22.2 No. 27, and UL 857.

* BSR Z83.4-201x, Non-recirculating direct gas-fired industrial air heaters (same as CSA 3.7-201x) (revision of ANSI Z83.4-2015)

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: Revise the standard for safety.

Details test and examination of criteria for direct gas-fired industrial air heaters of the non-recirculating type, for use with natural, manufactured, and mixed gases; LP gases; and LP gas-air mixtures. A direct gas-fired industrial air heater of the non-recirculating type is described as a heater “whose purpose is to offset building heat loss. All air to the heater shall be ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated.”

* BSR Z83.18-201x, Recirculating direct gas-fired industrial air heaters (revision of ANSI Z83.18-2015)

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: Revise the standard for safety.

Details test and examination criteria for recirculating direct gas-fired industrial air heaters for use with natural, manufactured and mixed gases; LP gases; and LP gas-air mixtures. Its purpose is to offset building heat loss. Ventilation air to the heater is ducted directly from the outdoors and the products of combustion generated by the heater are released into the air stream being heated. Inside air may be introduced before or after the combustion zone.

* BSR Z83.25-201x, Direct gas-fired process air heaters (same as CSA 3.19-201x) (revision of ANSI Z83.25-2015)

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: Revise the standard for safety.

Details test and examination criteria for direct gas-fired process air heaters of the recirculating or non-recirculating type, whose primary purpose is to provide process heating to non-occupied spaces within commercial and industrial buildings and may also include operation as a non-recirculating ventilation air heater if operated during periods when the space is occupied.

IEEE (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane
Piscataway, NJ 08854-4141

Contact: *Lisa Weisser*

E-mail: l.weisser@ieee.org

BSR/IEEE 1609.4-201x, Standard for Wireless Access in Vehicular Environments (WAVE) - Multi-Channel Operation (revision of ANSI/IEEE 1609.4-2011)

Stakeholders: The stakeholders for the project are the U.S. Department of Transportation Joint Intelligent Transportation Systems Office, automobile manufacturers, State and local transportation officials, toll authorities and toll tag manufacturers, public safety officials, commercial vehicle manufacturers, and public transit officials.

Project Need: To align 1609.4 with material published in IEEE Std 1609.0-2013, changes being incorporated into IEEE P1609.3.

The scope of this standard is the specification of medium access control (MAC) sublayer functions and services that support multi-channel wireless connectivity between IEEE 802.11 Wireless Access in Vehicular Environments (WAVE) devices.

BSR/IEEE C37.015-201x, Guide for the Application of Shunt Reactor Switching (revision of ANSI/IEEE C37.015-2009)

Stakeholders: The guide is principally for the benefit of the user, i.e., utilities (electric power distribution) and developers of substations.

Project Need: The guide needs to be updated to current practice.

This application guide applies to ac high-voltage (> 1000 V) circuit breakers rated for shunt reactor switching. This application guide provides the theoretical background of shunt reactor switching and how information obtained from test results should be used to predict overvoltages in the field and gives suggestions how to mitigate these overvoltages.

BSR/IEEE C37.45-201x, Standard Design Tests and Specifications for High Voltage (> 1000 V) Distribution Class Enclosed Single-Pole Air Switches (revision of ANSI/IEEE C37.45-2007)

Stakeholders: Electric utility and industrial users and manufacturers of the devices defined in the scope.

Project Need: This standard is needed to ensure uniform minimum product testing for devices within the document scope. This is to enable users to be able to evaluate comparable devices from different manufacturers.

This standard establishes design tests and specifications for high-voltage (above 1000 V) distribution-class enclosed single-pole air switches and associated accessories with rated voltages up to 8.3 kV. All of these devices are intended for use on alternating current distribution systems. These design tests and specifications apply to the following specific types of equipment: (a) Distribution-class enclosed single-pole air switches; (b) Supports, mountings, fuse hooks, and tongs, all of the type used exclusively with distribution-class enclosed single-pole air switches; and (c) Distribution-class enclosed single-pole air switches used in enclosure packages.

BSR/IEEE C57.12.32-201x, Standard for Submersible Equipment - Enclosure Integrity (revision of ANSI/IEEE C57.12.32-2002 (R2008))

Stakeholders: Electric utilities, transformer and switchgear manufacturers, testing service companies, testing equipment manufacturers

Project Need: Revision to update tests and to detail testing sequence for coatings that are on ferrous metal and detail testing sequence for coatings that are on non-metallic or stainless substrates

This standard covers conformance tests and requirements for the integrity of submersible electrical equipment intended for installation in submerged or partially submerged environments. These enclosures contain energized electrical apparatus, typically not accessible to the general public, including but not limited to the following types of equipment: (a) Submersible distribution transformers; (b) Submersible network transformers; (c) Submersible network protectors; (d) Submersible switchgear; (e) Submersible capacitors or inductors; (f) Submersible junction enclosures; (g) Submersible metering equipment; and (h) Submersible control box.

BSR/IEEE C57.12.60-201x, Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers (revision of ANSI/IEEE C57.12.60-2009)

Stakeholders: Original equipment manufacturers (OEMs), end users, 3rd party testing facilities, 3rd party certification agencies, electrical insulation material manufacturers and distributors

Project Need: This revision will focus on clarifying some issues in the document, including the following: (a) Should Partial Discharge measurement be included to indicate changes in the solid insulation system - such as cracks or internal separations? (b) Is the reference time of 40,000 hours appropriate when compared to the broad range of reference times available for other types of transformers (20,000 up to 180,000)? (c) Should we add 200°C and 240°C systems and correct 150°C to 155°C?

This test procedure for the thermal evaluation of insulation systems of dry-type power and distribution transformers is to be used for determining the temperature classification and modification of the insulation systems. This standard shall apply to all dry-type transformers with a voltage of 601 V or higher in the highest voltage winding except as follows: (a) Instrument transformers; (b) Step- and induction-voltage regulators; (c) Arc-furnace transformers; (d) Rectifier transformers; (e) Specialty and general-purpose transformers; (f) Mine transformers; (g) Testing transformers; and (h) Welding transformers,

BSR/IEEE SI 10-201x, Standard for Metric Practice (new standard)

Stakeholders: All parties interested in the communication of technical and scientific information.

Project Need: This important standard needs minor updating in order to be kept current. A revision is required to bring the standard into line with current international recommendations.

This document is the primary American National Standard on application of the metric system. It emphasizes use of the International System of Units (SI), which is the modern, internationally accepted metric system. It includes information on SI, a limited list of units recognized for use with SI, and a list of conversion factors, together with general guidance on style and usage. It also lists older "metric" units that shall no longer be used. The word "primary" implies that other metric standards in the United States should be consistent with this document.

MSS (Manufacturers Standardization Society)

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Contact: *Robert O'Neill*

Fax: (703) 281-6671

E-mail: boneill@mss-hq.org

BSR/MSS SP-135-201x, High Pressure Knife Gate Valves (new standard)

Stakeholders: Paper, chemical, petroleum production and transport, petrochemical, hydroelectric power, fossil fuel power valve and fitting systems, mining, and other industries requiring ASME class-rated knife gate valves.

Project Need: This MSS Standard Practice, first published in 2006, is widely accepted and used in multiple valve and piping industries and is the only standard that covers the construction requirements for ASME Class rated Knife Gate Valves. As such, this Standard Practice warrants elevation to national approval status; offering a national standard for NPS 2 to NPS 48, ASME Classes 150, 300, and 600 Knife Gate Valves.

MSS SP-135 covers the construction requirements for lug- and wafer-type, knife gate valves made from ASME Code materials and meeting the applicable gate valve requirements of ASME B16.34. This Standard Practice covers flanged body designs compatible with ASME B16.5 flanges for NPS 2 (DN 50) through NPS 24 (DN 600) and ASME B16.47 Series A flanges for NPS 26 (DN 650) through NPS 48 (DN 1200). As an alternative, it also pertains to valves that do not meet the body wall thickness of ASME B16.34, but shall be qualified by a proof test. The Class 150, 300, and 600 dimensional, material, and other requirements of this Standard Practice shall apply to these valves.

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: *Pamela Dillon*

E-mail: pam@nasbla.org

* BSR/NASBLA 102-201X, Basic Boating Knowledge - Sailing (new standard)

Stakeholders: Course providers; commercial, public, federal and state agencies; non-profit organizations.

Project Need: This document establishes the national standard for basic recreational sailing knowledge with a primary focus on safety and mitigation of risks associated with recreational sail boating.

This standard applies to basic sailing knowledge education and proficiency assessment in the United States, U.S. Territories, and the District of Columbia.

* BSR/NASBLA 106-201X, Basic Boating Knowledge - Trailering (new standard)

Stakeholders: Public, commercial, federal/state/local agencies, Non-profit organizations.

Project Need: Recommend minimum standards for instructing recreational boaters how to select the proper trailering components, and to safely launch, recover, transit, and store boats on trailers.

This is the minimum standard for instructing boaters how to select the proper trailering components, and to safely launch, recover, transit, and store boats on trailers.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
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Rosslyn, VA 22209

Contact: *Gerard Winstanley*

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BSR C29.1-201x, Electrical Power Insulators - Test Methods (revision of ANSI C29.1-1988 (R2012))

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Revisions needed for test criteria.

This standard comprises a manual of test methods to be followed in making tests to determine the characteristics of electrical power insulators.

BSR C29.8-201x, Wet Process Porcelain Insulators - Apparatus, Cap, and Pin Type (revision of ANSI C29.8-1985 (R2012))

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Updates needed to requirements to reflect current practices.

This standard covers outdoor high-voltage cap-and-pin-type apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

BSR C29.9-201x, Wet Process Porcelain Insulators - Apparatus, Post-Type (revision of ANSI C29.9-1983 (R2012))

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Revise requirements to current practices.

This standard covers outdoor high-voltage post-type apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

BSR C29.10-201x, Standard for Wet Process Porcelain Insulators - Indoor Apparatus Type (revision of ANSI C29.10-1989 (R2012))

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: To revise requirements to current practices.

This standard covers high-voltage indoor-apparatus insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

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E-mail: standards@tappi.org

BSR/TAPPI T 400 sp-2011 (R201x), Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (reaffirmation of ANSI/TAPPI T 400 sp-2011)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to determine if a revision is needed to address new technology or correct errors.

This method describes procedures for obtaining a representative sample for testing. It should be recognized that, in an ideal situation, the samples selected should represent a lot of paper or paperboard, container board, or related product, including converted paper products (all referred to as “paper” in this standard). However, in some situations, the sample may be as small as a single sheet of paper that has been provided to the laboratory for testing and may not represent the lot from which it is obtained.

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.

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2111 Wilson Boulevard
Suite 500
Arlington, VA 22201
Phone: (703) 600-0327
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Web: www.ahrinet.org

API
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1220 L Street, NW
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Phone: (202) 682-8135
Fax: (202) 962-4797
Web: www.api.org

ASABE
American Society of Agricultural and Biological Engineers
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Fax: (269) 429-3852
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated
1212 West Street
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Fax: (410) 267-0961
Web: www.x9.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
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Phone: (678) 539-1111
Fax: (678) 539-2111
Web: www.ashrae.org

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

ASQ (ASC Z1)
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (414) 272-8575
Web: www.asq.org

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005
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Fax: (202) 347-7125
Web: www.atis.org

AWS
American Welding Society
8669 NW 36th ST # 130
Miami, FL 33166
Phone: (305) 443-9353, x 301
Fax: (305) 443-5951
Web: www.aws.org

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

B11
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Phone: (832) 446-6999

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

EASA
Electrical Apparatus Service Association
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St. Louis, MO 63132
Phone: (314) 993-2220
Fax: (314) 993-1269

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
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MSS
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NASBLA
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NEMA (ASC C29)
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Web: www.npes.org

NSF
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Fax: (734) 827-7880
Web: www.nsf.org

NW&RA (ASC Z245)
National Waste & Recycling Association
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Web: www.wasterecycling.org

TAPPI
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Fax: (770) 446-6947
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TCIA (ASC A300)
Tree Care Industry Association
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Fax: (603) 314-5386
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TIA
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Web: www.tiaonline.org

UL
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Fax: (408) 754-6722
Web: www.ul.com

ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Charles T. Zegers, General Secretary of the USNC (czegers@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ISO Standards

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 16817, Building environment design - Indoor environment - Design process for visual environment - 10/15/2015, $98.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO 1217/DAmd1, Displacement compressors - Acceptance tests - Amendment 1: Calculation of isentropic efficiency and relationship with specific energy - 10/16/2015, $40.00

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

ISO/DIS 19044, Test methods for fibre-reinforced cementitious composites - Load-displacement curve using notched specimen - 10/10/2015, $53.00

FASTENERS (TC 2)

ISO/DIS 1891-4, Fasteners - Terminology - Part 4: Controls, inspection, delivery, acceptance and quality - 10/11/2015, $112.00

FIRE SAFETY (TC 92)

ISO/DIS 3008-3, Fire Resistance Test - Door and Shutter Assemblies - Part 3: Horizontally oriented - 10/15/2015, $67.00

FREIGHT CONTAINERS (TC 104)

ISO 1496-1/DAmd1, Series 1 freight containers - Specification and testing - Part 1: General cargo containers for general purposes - Amendment 1 - 10/10/2015, $29.00

GLASS IN BUILDING (TC 160)

ISO/DIS 12540, Glass in building - Thermally tempered (thermally toughened) soda lime silicate safety glass - 10/8/2015, $102.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 18620, Graphic technology - Prepress data exchange - Tone adjustment curves exchange - 10/15/2015, $53.00

IMPLANTS FOR SURGERY (TC 150)

ISO 7206-4/DAmd1, Implants for surgery - Partial and total hip joint prostheses - Part 4: Determination of endurance properties and performance of stemmed femoral components - Amendment 1 - 10/16/2015, $29.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 18828-2, Industrial automation systems and integration - Standardized procedures for production systems engineering - Part 2: Reference process for seamless production planning - 10/8/2015, $107.00

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

ISO/DIS 18797-1, Petroleum, petrochemicals and natural gas industries - External corrosion protection of risers by coatings and linings - Part 1: Elastomeric coating systems - Polychloroprene or EPDM - 10/15/2015, $93.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 29821-2, Condition monitoring and diagnostics of machines - Ultrasound - Part 2: Procedures and validation - 10/16/2015, $53.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 7886-1, Sterile hypodermic syringes for single use - Part 1: Syringes for manual use - 10/11/2015, $102.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 16700, Microbeam analysis - Scanning electron microscopy - Guidelines for calibrating image magnification - 10/17/2015, $71.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 14133-1, Optics and photonics - Specifications for binoculars, monoculars and spotting scopes - Part 1: General purpose instruments - 10/17/2015, $40.00

ISO/DIS 14133-2, Optics and optical instruments - Specifications for binoculars, monoculars and spotting scopes - Part 2: High performance instruments - 1/1/2039, $40.00

ISO/DIS 14490-7, Optics and optical instruments - Test methods for telescopic systems - Part 7: Test methods for limit of resolution - 12/31/2035, $53.00

ISO/DIS 16331-1, Optics and optical instruments - Laboratory procedures for testing surveying and construction instruments - Part 1: Performance of handheld laser distance meters - 10/8/2015, $112.00

PHOTOGRAPHY (TC 42)

ISO/DIS 20087, Photography - Digital still cameras - Battery life measurement - 10/8/2015, $53.00

PLASTICS (TC 61)

ISO 1043-1/DAmd1, Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics - Amendment 1 - 10/11/2015, $29.00

ISO 1043-4/DAmd1, Plastics - Symbols and abbreviated terms - Part 4: Flame retardants - Amendment 1 - 10/11/2015, FREE

ISO/DIS 20029-1, Plastics - Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion - Part 1: Designation system and basis for specifications - 10/18/2015, $53.00

ISO/DIS 20029-2, Plastics - Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion - Part 2: Preparation of test specimen and determination of properties - 10/18/2015, $77.00

ISO/DIS 20557-1, Plastics - Poly(phenylene ether) (PPE) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 10/18/2015, $53.00

ISO/DIS 20557-2, Plastics - Poly(phenylene ether) (PPE) moulding and extrusion materials - Part 2: Preparation of test specimen and determination of properties - 10/18/2015, $40.00

ISO/DIS 20558-1, Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 10/19/2015, $53.00

ISO/DIS 20558-2, Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 2: Preparation of test specimen and determination of properties - 10/19/2015, $40.00

ROAD VEHICLES (TC 22)

ISO 12619-2/DAmd1, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 2: Performance and general test methods - Amendment 1 - 10/8/2015, $67.00

ISO 12619-3/DAmd1, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 3: Pressure regulator - Amendment 1 - 10/8/2015, $53.00

ISO/DIS 11452-3, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 3: Transverse electromagnetic mode (TEM) cell - 10/16/2015, FREE

ISO/DIS 15118-6, Road vehicles - Vehicle to grid communication interface - Part 6: General information and use-case definition for wireless communication - 10/12/2015, $88.00

ISO/DIS 15501-2, Road vehicles - Compressed natural gas (CNG) fuel systems - Part 2: Test methods - 10/19/2015, $53.00

SMALL CRAFT (TC 188)

ISO/DIS 11592-2, Small craft - Determination of maximum propulsion power rating - Part 2: Craft with a length of hull between 8 m and 24 m - 10/17/2015, $46.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 11138-1, Sterilization of health care products - Biological indicators - Part 1: General requirements - 10/18/2015, $107.00

ISO/DIS 11138-2, Sterilization of health care products - Biological indicators - Part 2: Biological indicators for ethylene oxide sterilization processes - 10/18/2015, $40.00

ISO/DIS 11138-3, Sterilization of health care products - Biological indicators - Part 3: Biological indicators for moist heat sterilization processes - 10/18/2015, $46.00

ISO/DIS 11138-4, Sterilization of health care products - Biological indicators - Part 4: Biological indicators for dry heat sterilization processes - 10/18/2015, $46.00

ISO/DIS 11138-5, Sterilization of health care products - Biological indicators - Part 5: Biological indicators for low-temperature steam and formaldehyde sterilization processes - 10/18/2015, $46.00

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

ISO/DIS 12505-2, Skin barrier for ostomy aids - Test methods - Part 2: Wet-integrity and adhesive strength - 10/12/2015, $58.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 18402, Timber Structures - Structural Insulated Panel roof construction - Test methods - 10/18/2015, $82.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 18885-1, TPMS snap-in valves - Part 1: Identification - 10/17/2015, $33.00

ISO/DIS 18885-2, TPMS snap-in valves - Part 2: Valve environment - 10/17/2015, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-4/DAmd1, Information technology - MPEG systems technologies - Part 4: Codec configuration representation - Amendment 1: Parser Instantiation from BSD - 8/10/2015, $107.00

ISO/IEC DIS 18367, Information technology - Security techniques - Cryptographic algorithms and security mechanisms conformance testing - 10/15/2015, $134.00

ISO/IEC DIS 13157-3, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 3: NFC-SEC cryptography standard using ECDH-256 and AES-GCM - 10/15/2015, $46.00

ISO/IEC DIS 13157-4, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 4: NFC-SEC entity authentication and key agreement using asymmetric cryptography - 10/15/2015, $88.00

ISO/IEC DIS 13157-5, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 5: NFC-SEC entity authentication and key agreement using symmetric cryptography - 10/15/2015, $58.00

ISO/IEC DIS 30105-1, Information technology - IT Enabled Services/Business Process Outsourcing (ITESBPO) Lifecycle Processes - Part 1: Process Reference Model (PRM) - 8/10/2015, $82.00

ISO/IEC DIS 21000-20, Information technology - Multimedia framework (MPEG-21) - Part 20: Contract Expression Language - 10/22/2015, $146.00

ISO/IEC DIS 21000-21, Information technology - Multimedia framework (MPEG-21) - Part 21: Media Contract Ontology - 10/22/2015, $146.00

ISO/IEC DIS 21000-22, Information technology - Multimedia framework (MPEG-21) - Part 22: User Description - 10/22/2015, $175.00

IEC Standards

13/1643/DTS, IEC/TS 62056-1-1/Ed.1: Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 1-1: Template for DLMS/COSEM communication profile standards, 10/23/2015

13/1644/NP, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 7-3: Wired and wireless M-Bus communication profiles for local and neighbourhood networks, 10/23/2015

23E/913/NP, PNW 23E-913: Group Safety Publication for Residual Current Devices, 10/23/2015

27/959/CD, IEC/TS 62996 Ed.1: Industrial electroheating and electromagnetic processing equipment - Requirements on touch currents, voltages and electric fields from 1 kHz to 6 MHz, 11/20/2015

29/875/CDV, IEC 60645-1: Electroacoustics - Audiometric equipment - Part 1: Equipment for pure-tone and speech audiometry, 10/23/2015

36/371/CD, IEC/TS 60815-4 Ed. 1.0: Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 4: Insulators for d.c. systems, 10/23/2015

44/735A/DTS, IEC/TS 60204-34: Safety of machinery-Electrical equipment of machines - Part 34 requirements for machine tools, 09/18/2015

55/1544/CD, IEC 60317-0-11/Ed1: Specifications for particular types of winding wires - Part 0-11: General requirements - Basic, supplementary, or reinforced insulated single or multi-layer tape wrapped or extruded round winding wires, 09/18/2015

55/1545/CD, IEC 60317-63/Ed1: Specifications for particular types of winding wires - Part 63: Basic, supplementary, or reinforced insulated single or multi-layer tape extruded round winding wire, 09/18/2015

55/1546/CD, IEC 60317-64/Ed1: Specifications for particular types of winding wires - Part 64: Basic, supplementary, or reinforced insulated single or multi-layer tape wrapped round winding wire, 09/18/2015

55/1547/CD, IEC 60317-65/Ed1: Specifications for particular types of winding wires - Part 65: Basic, supplementary, or reinforced insulated single or multi-layer extruded round winding wire with a bonding layer, 09/18/2015

55/1548/CD, IEC 60317-66/Ed1: Specifications for particular types of winding wires - Part 66: Basic, supplementary, or reinforced insulated single or multi-layer tape wrapped round winding wire with a bonding layer, 09/18/2015

61/4956/FDIS, IEC 60335-2-75-A1/Ed3: Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, 09/18/2015

65/603/DC, IEC 62443-4-2 Ed. 1: Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components, 09/18/2015

65B/1001/CDV, IEC 62952-2 Ed 1.0: Power sources for a wireless communication device - Part 2: profile for power modules with batteriess, 10/23/2015

65B/1002/CDV, IEC 62952-1 Ed 1.0: Power sources for a wireless communication device - Part 1: General requirements of power modules, 10/23/2015

79/519/CD, IEC 62692 Ed.1: Alarm and electronic security systems - Digital door lock systems - Requirements and test methods, 10/23/2015

80/763/CDV, IEC 61162-1 Ed.5: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, 10/23/2015

81/489/CD, IEC 62561-5 Ed.2: Lightning protection system components (LPSC) - Part 5: Requirements for earth electrode inspection housings and earth electrode seals, 10/23/2015

81/490/CD, IEC 62561-6 Ed.2: Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC), 10/23/2015

81/491/CD, IEC 62561-7 Ed.2: Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds, 10/23/2015

82/994/DTS, IEC 62941 TS Ed.1: Guideline for increased confidence in PV module design qualification and type approval, 10/23/2015

86A/1666/CD, IEC 60794-1-22/Ed2: Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods, 09/18/2015

100/2503/CDV, IEC 61937-7 Ed.2 Amd.1: Digital audio -Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats (TA 4), 10/23/2015

100/2504/DTS, IEC TS 62436 Ed.1 Amd.1: Guideline for implementation of copy controlled multimedia interface (TA 4), 10/23/2015

100/2540/DTR, Multimedia E-Publishing and E-Book Technologies - Digital Sheet Musinc - Market, Use Cases, and Related Technologies, 09/18/2015

110/679/CD, IEC 62715-5-3 Ed.1: Flexible display devices - Part 5-3: Visual assessment, 09/18/2015

113/275/CD, IEC 62607-4-5: Nanomanufacturing - Key control characteristics - Part 4-5 Cathode nanomaterials for nano-enabled electrical energy storage - Electrochemical characterisation, 3-electrode cell method, 09/18/2015

114/164/Q, IEC 62600-10 TS - Request for the transistion of PT 62600 -10 to an Ad Hoc Group, 09/18/2015

115/112/CD, IEC/TS 63014 Ed.1: System requirements for DC yard equipment - Part 1: Line-commutated converters, 10/23/2015

116/229/CDV, IEC 62841-2-8/Ed1: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-8: Particular requirements for hand-held shears and nibblers, 10/23/2015

CIS/A/1111/CDV, Amendment 1 to CISPR 16-1-3: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power, 10/23/2015

SYCSMARTENERGY/13/CD, IEC 62913-1/TS/Ed1: Generic smart grid requirements - Specific application of the use case methodology for defining generic smart grid requirements according to the IEC system approach, 10/23/2015

SYCSMARTENERGY/14/CD, IEC 62913-2-1/TS/Ed1: Generic Smart Grid Requirements - Part 2-1: Grid related Domains, 10/23/2015

SYCSMARTENERGY/15/CD, IEC 62913-2-3/TS/Ed1: Generic Smart Grid Requirements - Part 2-3: Resources connected to the Grid Domains, 10/23/2015

SYCSMARTENERGY/16/CD, IEC 62913-2-4/TS/Ed1: Generic Smart Grid Requirements - Part 2-4: Electric Transportation Domain, 10/23/2015

SYCSMARTENERGY/17/CD, IEC 62913-2-5/TS/Ed1: Generic Smart Grid Requirements - Part 2-5: Support Functions Domains, 10/23/2015

9/2055/CD, IEC 61375-2-6 Ed.1: Electronic railway equipment - Train Communication Network (TCN) - Part 2-6: On-board to ground communication, 10/16/2015

13/1628F/CDV, IEC 62053-21 Amd. 1: Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2), 10/02/2015

22G/306/FDIS, IEC 61800-7-1 Ed.2: Adjustable speed electrical power drive systems - Part 7-1: Generic interface and use of profiles for power drive systems - Interface definition, 09/11/2015

22G/307/FDIS, IEC 61800-7-201 Ed.2: Adjustable speed electrical power drive systems - Part 7-201: Generic interface and use of profiles for power drive systems - Profile type 1 specification, 09/11/2015

22G/308/FDIS, IEC 61800-7-202 Ed.2: Adjustable speed electrical power drive systems - Part 7-202: Generic interface and use of profiles for power drive systems - Profile type 2 specification, 09/11/2015

22G/309/FDIS, IEC 61800-7-203 Ed.2: Adjustable speed electrical power drive systems - Part 7-203: Generic interface and use of profiles for power drive systems - Profile type 3 specification, 09/11/2015

22G/310/FDIS, IEC 61800-7-204 Ed.2: Adjustable speed electrical power drive systems - Part 7-204: Generic interface and use of profiles for power drive systems - Profile type 4 specification, 09/11/2015

22G/311/FDIS, IEC 61800-7-301 Ed.2: Adjustable speed electrical power drive systems - Part 7-301: Generic interface and use of profiles for power drive systems - Mapping of profile type 1 to network technologies, 09/11/2015

22G/312/FDIS, IEC 61800-7-302 Ed.2: Adjustable speed electrical power drive systems - Part 7-302: Generic interface and use of profiles for power drive systems - Mapping of profile type 2 to network technologies, 09/11/2015

22G/313/FDIS, IEC 61800-7-303 Ed.2: Adjustable speed electrical power drive systems - Part 7-303: Generic interface and use of profiles for power drive systems - Mapping of profile type 3 to network technologies, 09/11/2015

22G/314/FDIS, IEC 61800-7-304 Ed.2: Adjustable speed electrical power drive systems - Part 7-304: Generic interface and use of profiles for power drive systems - Mapping of profile type 4 to network technologies, 09/11/2015

29/873/CDV, IEC 61094-3: Measurement microphones - Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique, 10/16/2015

32C/512/FDIS, IEC 60691/Ed4: Thermal-links - Requirements and application guide, 09/11/2015

34C/1162/CD, IEC 61347-2-7 A1 Ed.3: Lamp controlgear - Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained), 10/16/2015

34D/1179/CD, IEC 60598-2-22 A1 Ed.4: Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting, 10/16/2015

40/2393/FDIS, IEC 62391-1 Ed.2: Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification, 09/11/2015

40/2397/NP, Electrical characteristics test methods of electric double layer capacitor module for use in electric and electronic equipment, 10/16/2015

46A/1265/FDIS, IEC 61196-1-114: Coaxial Communication Cables - Part 1-114: Electrical test methods - Test for inductance, 09/11/2015

46F/324/CD, IEC 61169-59 ed 1.0:Radio-frequency connectors Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-coaxial radio-frequency connectors, 10/16/2015

47D/862A/CD, IEC 60191-2 f72 Ed.1: Proposed new package outline - P-UMP-Ax, 09/04/2015

47D/866/NP, Future IEC 60191-7 Ed.1: Package thermal characteristics guideline in semiconductor products, 10/16/2015

48B/2434/CDV, IEC 61076-3-120/Ed1: Connectors for electronic equipment - product requirements -Part 3-120: Rectangular connectors - Detail specification for rewirable power connectors with snap locking for rated voltage of 250 v d.c. And rated current of 30 a, 10/16/2015

51/1099/FDIS, IEC 60424-3 Ed.2: Ferrite cores - Guidelines on the limits of surface irregularities - Part 3: ETD-cores, EER-cores, EC-cores and E-cores, 09/11/2015

61C/619/FDIS, IEC 60335-2-24-A2/Ed7: Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers, 09/11/2015

62C/621/DTR, IEC TR 61948-1: Nuclear medicine instrumentation - Routine tests - Part 1: Gamma radiation counting systems, 09/11/2015

64/2046/CD, IEC 60364-5-57: Low voltage electrical installations - Part 5: Selection and erection of electrical equipment - Clause 57 - Stationary secondary batteries, 10/16/2015

65E/465/FDIS, IEC 61804-4 Ed. 1.0 Function blocks (FB) for process control and Electronic Device Description Language (EDDL) - Part 4: EDD interpretation, 09/11/2015

69/369/CDV, IEC 62840-2 Ed.1: Electric vehicle battery swap system - Part 2: Safety requirements, 10/16/2015

79/511/FDIS, IEC 62642-2-71 Ed.1: Alarm systems - Intrusion and hold-up systems - Part 2-71: Intrusion detectors - Glass break detectors (acoustic), 09/11/2015

79/512/FDIS, IEC 62642-2-72 Ed.1: Alarm systems - Intrusion and hold-up systems - Part 2-72: Intrusion detectors - Glass break detectors (passive), 09/11/2015

79/513/FDIS, IEC 62642-2-73 Ed.1: Alarm systems - Intrusion and hold-up systems - Part 2-73: Intrusion detectors - Glass break detectors (active), 09/11/2015

82/975/CDV, IEC 62788-1-4 Ed.1: Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off frequency, 10/16/2015

106/337/CD, IEC 62232: Determination of RF field strength and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure, 09/11/2015

108/594/CDV, IEC 60065-A1/Ed8:: Audio, video and similar electronic apparatus - Safety requirements, 10/16/2015

108/595/CDV, IEC 62368-1-A1/Ed2: Audio/video, information and communication technology equipment - Part 1: Safety requirements, 10/16/2015

116/240/FDIS, IEC 62841-3-10/Ed1: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines, 09/11/2015

121B/35/CD, IEC 61439-7 Ed.1: Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electrical vehicles charging stations, 09/11/2015

CIS/A/1118/FDIS, CISPR 16-1-1: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus, 09/11/2015

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

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO 17740-1:2015, Building construction machinery and equipment - Concrete placing systems for stationary equipment - Part 1: Terminology and commercial specifications, $88.00

CORK (TC 87)

ISO 2385:2015, Packed cork - Virgin cork, raw reproduction cork, ramassage, gleanings, burnt cork, boiled reproduction cork and raw corkwaste - Sampling to determine moisture content, $51.00

ISO 2386:2015, Packed cork - Virgin cork, raw reproduction cork, ramassage, gleanings, burnt cork, boiled reproduction cork and raw corkwaste - Determination of moisture content, $51.00

FISHERIES AND AQUACULTURE (TC 234)

ISO 16488:2015, Marine finfish farms - Open net cage - Design and operation, $149.00

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

ISO 13702:2015, Petroleum and natural gas industries - Control and mitigation of fires and explosions on offshore production installations - Requirements and guidelines, $240.00

ISO 16961:2015, Petroleum, petrochemical and natural gas industries - Internal coating and lining of steel storage tanks, $200.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 11611:2015, Protective clothing for use in welding and allied processes, $123.00

ISO 11612:2015, Protective clothing - Clothing to protect against heat and flame - Minimum performance requirements, $149.00

ISO 14116:2015, Protective clothing - Protection against flame - Limited flame spread materials, material assemblies and clothing, $123.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 21561-1:2015, Styrene-butadiene rubber (SBR) - Determination of the microstructure of solution-polymerized SBR - Part 1: 1H-NMR and IR with cast-film method, $123.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 3600:2015, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format, $88.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 11067:2015, Intelligent transport systems - Curve speed warning systems (CSWS) - Performance requirements and test procedures, $173.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 13818-1/Amd1:2015, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Delivery of timeline for external data, FREE

ISO/IEC 15444-2/Amd3:2015, Information technology - JPEG 2000 image coding system: Extensions - Amendment 3: Box-based file format for JPEG XR, extended ROI boxes, XML boxing, compressed channel definition boxes, and representation of floating point, $200.00

ISO/IEC 15444-2/Amd4:2015, Information technology - JPEG 2000 image coding system: Extensions - Amendment 4: Block coder extension, $22.00

ISO/IEC 19794-7/Amd1:2015, Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data - Amendment 1: XML encoding, $22.00

ISO/IEC 19795-2/Amd1:2015, Information technology - Biometric performance testing and reporting - Part 2: Testing methodologies for technology and scenario evaluation - Amendment 1: Testing of multimodal biometric implementations, $22.00

ISO/IEC 23001-8/Amd1:2015, Information technology - MPEG systems technologies - Part 8: Coding-independent code points - Amendment 1: New audio code points, $22.00

ISO/IEC 29157:2015, Information technology - Telecommunications and information exchange between systems - PHY/MAC specifications for short-range wireless low-rate applications in the ISM band, $240.00

IEC Standards

ELECTRIC TRACTION EQUIPMENT (TC 9)

IEC 61375-2-3 Ed. 1.0 en:2015, Electronic railway equipment - Train communication network (TCN) - Part 2-3: TCN communication profile, $411.00

ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

IEC 61892-SER Ed. 1.0 en:2015, Mobile and fixed offshore units - Electrical installations - ALL PARTS, $1684.00

ELECTROSTATICS (TC 101)

IEC 61340-5-3 Ed. 2.0 b:2015, Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices, $157.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC 62906-1-2 Ed. 1.0 en:2015, Laser display devices - Part 1-2: Vocabulary and letter symbols, $61.00

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

IEC 60836 Ed. 3.0 b:2015, Specifications for unused silicone insulating liquids for electrotechnical purposes, $55.00

PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)

IEC 62604-1 Ed. 1.0 b:2015, Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 1: Generic specification, $230.00

IEC Technical Reports

POWER ELECTRONICS (TC 22)

IEC/TR 62757 Ed. 1.0 en:2015, Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls, $339.00

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 reply on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

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

- **Standards Development Organizations and Consortia**

  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

Application for Accreditation

IAPMO – The International Association of Plumbing & Mechanical Officials

Comment Deadline: August 24, 2015

IAPMO – The International Association of Plumbing & Mechanical Officials, an ANSI organizational member, accredited standards developer (ASD) and Audited Designator, has submitted a request for accreditation and inclusion of an additional set of procedures under IAPMO's ANSI Audited Designator status (see clause 5.0 of the ANSI Essential Requirements www.ansi.org/essentialrequirements). These proposed procedures are entitled Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard. IAPMO has amended its original Audited Designator application on file to include this new set of procedures and has certified its intent to continue to comply with the ANSI Essential Requirements and with the terms of its current Audited Designator contract with ANSI.

To obtain a copy of IAPMO's new proposed operating procedures or to offer comments, please contact: Ms. Gabriella Davis, Senior Vice President of Global Operations and IAPMO Standards Council Secretary, The IAPMO Group – West Building, 4755 E. Philadelphia Street, Ontario, CA 91761; phone: 909.472.4203; email: Gaby.Davis@iapmo.org. Please submit any comments to IAPMO by August 24, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of IAPMO's proposed operating procedures from ANSI Online during the public review period at the following URL: www.ansi.org/accredPR

Approval of Reaccreditation

Toy Industry Association, Inc.

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Toy Industry Association, Inc., an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on TIA-sponsored American National Standards, effective July 17, 2015. For additional information, please contact: Ms. Autumn Moore, Manager, Standards & Regulatory Affairs, Toy Industry Association, Inc., 1200 G Street NW, Suite 450, Washington, DC 20005; phone: 202.459.0350; e-mail: amoore@toyassociation.org.

Truss Plate Institute (TPI)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Truss Plate Institute (TPI), an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on TPI-sponsored American National Standards, effective July 16, 2015. For additional information, please contact: Mr. Jay P. Jones, P.E., Technical Director, Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; phone: 703.683.1010; email: jpjones@tpinst.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065

DNV GL Assurance Services USA, Inc.

Comment Deadline: August 24, 2015

Mr. Ismael Balmarez
DNV GL Assurance Services USA, Inc.
1400 Ravello Drive
Katy, TX 77493
Phone: 281-396-1000
Fax: 281-396-1903
E-mail: Ismael.Belmarez@dnvgl.com
Web: www.dnv.com

On July 21, 2015, DNV GL Assurance Services USA, Inc., an ANSI-accredited certification body, was granted Accreditation in accordance with ISO/IEC 17065 for the following scopes:

PEFC – Programme for the Endorsement of Forest Certification

- PEFC ST 2002:2013 Chain of Custody of Forest Based Products – Requirements
- PEFC ST 2001:2008 PEFC Logo Usage Rules – Requirements
- PEFC ST 2003:2012 (Second Edition) – Requirements for Certification Bodies operating Certification against the PEFC International Chain of Custody Standard

Criteria for Certification Bodies – SQF Requirements on the Application of ISO/IEC 17065:2012 Edition 7 – January 2015 SQF Code edition 7.2 July 2014

- Module 02: SQF System elements
- Module 11: Food Safety Fundamentals – GMP for processing of food products Food Safety Fundamentals – GMP for production of food packaging

Please send your comments by August 24, 2015 to Reinaldo Balbino Figueiredo, Senior Program 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 Program 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.

KPMG Performance Registrar, Inc.

Comment Deadline: August 24, 2015

Mr. Craig Roessler – Manager
KPMG Performance Registrar, Inc.
777 Dunsmuir Street
Vancouver, BC V7Y 1K3
Phone: 604-691-3115
Fax: 604-691-3031
E-mail: croessler@kpmg.ca
Web: www.kpmg.com

On July 21, 2015, KPMG Performance Registrar, Inc., an ANSI-accredited certification body, was granted Accreditation in accordance with ISO/IEC 17065 for the following scope:

PEFC – Programme for the Endorsement of Forest Certification

- PEFC ST 2002:2013 Chain of Custody of Forest Based Products – Requirements
- PEFC ST 2001:2008 PEFC Logo Usage Rules – Requirements
- PEFC ST 2003:2012 (Second Edition) - Requirements for Certification Bodies operating Certification against the PEFC International Chain of Custody Standard

Please send your comments by August 24, 2015 to Reinaldo Balbino Figueiredo, Senior Program 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 Program 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.

SAI Global Certification Services Pty Ltd

Comment Deadline: August 24, 2015

Ms. Liliana Niculae
Vice-President, Business Excellence, Assurance Services (Americas)
SAI Global Certification Services Pty Ltd
20 Carlson Court, Suite 100
Toronto, Ontario M9W 7K6, Canada
Phone: 416-401-8725
Toll Free: 800-465-3717
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E-mail: Liliana.Niculae@qmi-saiglobal.com
Web: www.sai-global.com

On July 21, 2015, SAI Global Certification Services Pty Ltd, an ANSI-accredited Certification Body, was granted Accreditation in accordance with ISO/IEC 17065 for the following scope:

PEFC – Programme for the Endorsement of Forest Certification

- PEFC ST 2002:2013 Chain of Custody of Forest Based Products – Requirements
- PEFC ST 2001:2008 PEFC Logo Usage Rules – Requirements
- PEFC ST 2003:2012 (Second Edition) - Requirements for Certification Bodies operating Certification against the PEFC International Chain of Custody Standard

Please send your comments by August 24, 2015 to Reinaldo Balbino Figueiredo, Senior Program 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 Program 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)

Call for US TAG Administrator

ISO/TC 17/SC 4 – Heat Treatable and Alloy Steels

ANSI has been informed that, ASTM, the ANSI accredited US/TAG administrator for ISO/TC 17/SC 4, wishes to relinquish the role as US/TAG administrator.

ISO TC 17/SC 4 operates under the following scope:

> Standardization of qualities, dimensions and tolerances of heat treatable and alloy steels used mainly in the engineering and automotive industry in either the non-heat treated or the heat treated conditions. Examples are free-cutting, bright, stainless, heat-resisting, tool, spring, valve and roller bearing steels including tubular products for these applications, but not those covered by ISO/TC 5.

Organizations interested in serving as the US/TAG administrator should contact ISOT@ansi.org.

Establishment of Technical Committees

ISO/TC 59/SC 18 – Construction Procurement

ISO/TC 59, Buildings and civil engineering works, has created a new ISO Subcommittee on Construction procurement (TC 59/SC 18). The secretariat has been assigned to South Africa (SABS).

ISO/TC 59/SC 18 operates under the following scope:

> Standardization of procurement processes, methods and procedures for the delivery and maintenance of construction works excluding those relating to:
>
> - conditions of contract; and
> - methods of measurement associated with a bill of quantities.

Organizations interested in serving as the US/TAG administrator should contact ISOT@ansi.org.

ISO/TC 296 – Bamboo and Rattan

A new ISO Technical Committee, ISO/TC 296 – Bamboo and Rattan, has been formed. The secretariat has been assigned to China (SAC).

ISO/TC 296 operates under the following scope:

> Standardization of bamboo, rattan, and derived materials, including terminology, classification, specifications, test methods and quality requirements.

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at isot@ansi.org.

ISO Proposal for a New Field of ISO Technical Activity

Solid Recovered Fuels

Comment Deadline: September 4, 2015

SFS (Finland) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Solid recovered fuels, with the following scope statement:

> Elaboration of standards and other deliverables on solid recovered fuels prepared from non-hazardous waste to be utilized for energy recovery in waste incineration or co-incineration plants or in industrial processes (like cement manufacturing), excluding fuels that are included in the scope of ISO/TC 238.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, September 4, 2015.

New Work Item Proposal

Guidelines for auditing management systems

Comment Deadline: August 10, 2015

ANSI has received a request from ASQ to submit to ISO a new work item proposal to revise ISO 19011:2011 – Guidelines for auditing management systems, with the following scope statement:

> This International Standard provides guidance on auditing management systems, including the principles of auditing, managing an audit programme and conducting management system audits, as well as guidance on the evaluation of competence of individuals involved in the audit process, including the person managing the audit programme, auditors and audit teams.
>
> It is applicable to all organizations that need to conduct internal or external audits of management systems or manage an audit programme. The application of this International Standard to other types of audits is possible, provided that special consideration is given to the specific competence needed.

Since ISO 19011 gives direction on how to audit to an MSS standard, it should be revised within a new PC instead of its current placement in TC176 SC3 Supporting technologies. TC176 SC3 has a more narrow focus and experts are needed from committees with existing MSS, not just those from TC176. ANSI is proposing to administer the secretariat for the new PC.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on August 10, 2015.

U.S. Technical Advisory Groups

Transfer of U.S. TAG Administrator

U.S. TAG to ISO TC 134 – Fertilizers and Soil Conditioners

Comment Deadline: August 24, 2015

The U.S. Technical Advisory Group (TAG) to ISO TC 134, Fertilizers and soil conditioners has voted to approve the transfer of TAG Administrator responsibilities from The Fertilizer Institute to the American Society of Agricultural and Biological Engineers (ASABE). The TAG will continue to operate under the Model Operating Procedures for U.S. TAGs to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. Please submit any comments on this action by August 24, 2015 to: Mr. Scott Cedarquist, Director, Standards and Technical, American Society of Agricultural and Biological Engineers, 2950 Niles Road, St. Joseph, MI 49085-9659; telephone: 269.932.7031; e-mail: cedarq@asabe.org (please copy jthompso@ansi.org).

Information Concerning

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Standardization of Requirements and Test Methods of Vape and Vapor Products

Comment Deadline: August 14, 2015

AFNOR (France) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Vape and Vapor Products, with the following scope statement:

> **Standardization of requirements and test methods of vape and vapor products.**
>
> Standardization of product information and services related to the use of vapor products.
>
> NOTE: These products are not intended to be used by children under eighteen.
>
> The verb "vape", a word originated as an abbreviation of vapor or vaporize, means 'to inhale and exhale the vapor produced by an electronic cigarette or similar device'. Sign of its popularity, this new word has been elected Word of the Year 2014 by the Oxford Dictionaries.
>
> Vape or vapor products refer to devices used to transform a consumable into an inhable aerosol and also to the e-liquids intended for transformation into an aerosol. This definition covers a wide range of devices including electronic cigarettes, e-cigars, e-pipes and e-chichas, which may be disposable or refillable by means of a refill container and a tank, or rechargeable with single use cartridges.
>
> Most of the current consumables are liquids or gel consumables mainly composed of glycerol and propylene glycol, but considering the fast evolution of this growing market, new kinds of consumables might be reasonably foreseen
>
> The following are excluded from the scope of this committee:
> - tobacco products involving a combustion process (cigarettes, cigars, roll-your-own tobacco products),
> - smokeless tobacco products including chewing tobacco, nasal tobacco and tobacco for oral use,
> - all kinds of consumable products containing tobacco or nicotine,
> - pharmaceutical products.

Further explanation and rationale is provided in the proposal document. Please note that ISO/TC 126 (Tobacco and tobacco products) has also submitted a request to modify its scope to include smokeless products. The modification of the scope of this TC is on hold until the outcome of the member body ballot and comments on this AFNOR proposal are available. The views of AFNOR (France) and ISO/TC 126 leadership regarding potential overlaps between the new proposal and the work of the committee are provided in the proposal document.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 14, 2015.

BSR/ASHRAE Addendum f
to ANSI/ASHRAE Standard 55-2013

Public Review Draft

Proposed Addendum f to Standard 55-2013, Thermal Environmental Conditions for Human Occupancy

First Public Review (June 2015)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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FOREWORD

This is a proposed modification to the scope of Standard 55 (Section 2) to ensure the standard is not used to override any safety, health, or critical process requirements.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum f to 55-2013

Add a new Section 2.5 as follows:

2.5 This standard shall not override any safety, health, or critical process requirements.

BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 62.2-2013

Public Review Draft

Proposed Addendum c to Standard 62.2-2013, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

Second Public Review (June 2015)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

This proposed change aims to account for the difference between range hoods and other exhaust fans in kitchens in their ability to remove particles. Bathroom requirements are unchanged.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum c to 62.2-2013

Add the following definition to Section 3:

3. DEFINITIONS

kitchen, enclosed: a kitchen whose permanent openings to interior adjacent spaces do not exceed a total of 60 ft^2 (6 m^2).

Revise Section 5 as shown below. The remainder of Section 5 is unchanged.

5. LOCAL EXHAUST

5.1 Local Mechanical Exhaust. A local mechanical exhaust system shall be installed in each kitchen and bathroom. Non-enclosed kitchens shall be provided with a demand-controlled mechanical exhaust system meeting the requirements of Section 5.2. Each local ventilation system for all other kitchens and bathrooms shall be either one of the following two:

a. a demand-controlled mechanical exhaust system meeting the requirements of Section 5.2 or
b. a continuous mechanical exhaust system meeting the requirements of Section 5.3.

Exception: *Alternative Ventilation*. Other design methods may be used to provide the required exhaust rates when approved by a licensed design professional.

5.2 Demand-Controlled Mechanical Exhaust. A local mechanical exhaust system shall be designed to be operated as needed by the occupant.

5.2.1 Control and Operation. Automatic control devices such as but not limited to the following are permissible provided they do not impede manual ON-OFF occupant control: shut-off timers, occupancy sensors, multiple-speed fans, combined switching, IAQ sensors, etc.

5.2.2 Ventilation Rate. The minimum airflow rating shall be at least the amount indicated in Table 5.1.

TABLE 5.1 Demand-Controlled Local Ventilation Exhaust Airflow Rates

Application	Airflow	~~Notes~~
Enclosed Kitchen	• Vented range hood (including appliance-range hood combinations): 100 cfm (50 L/s) • Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s) or a capacity of 5 air changes per hour	~~Vented range hood (including appliance-range hood combinations) required if exhaust fan flow rate is less than 5 kitchen air changes per hour.~~
Non-Enclosed Kitchen	• Vented range hood (including appliance-range hood combinations): 100 cfm (50 L/s) • Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s)	
Bathroom	50 cfm (25 L/s)	

5.3 Continuous Mechanical Exhaust. A continuously operating mechanical exhaust system shall be installed to operate without occupant intervention. The system may be part of a balanced mechanical system. See Chapter 10 of ASHRAE Guideline 24[4] for guidance on selection of methods.

5.3.1 Control and Operation. The system shall be designed to operate during all occupiable hours. Readily accessible override control must be provided to the occupant.

5.3.2 Ventilation Rate. The minimum delivered ventilation shall be at least the amount indicated in Table 5.2 during each hour of operation.

TABLE 5.2 Continuous Local Ventilation Exhaust Airflow Rates

Application	Airflow	~~Notes~~
Enclosed Kitchen	5 ~~ach~~ air changes per hour, based on kitchen volume	~~Based on kitchen volume.~~
Bathroom	20 cfm (10 L/s)	

[…]

Revise Section A3.1 as shown below.

A3.1 Initial Room Airflow Deficit. The airflow deficit for each bathroom shall be 50 cfm less the airflow rating from Section A4.2 of the exhaust equipment. The airflow deficit for each kitchen shall be 100 cfm less the airflow rating from Section A4.2 of the exhaust equipment. ~~or kitchen is the required airflow from Table 5.1 less the airflow rating from Section A4.2 of the exhaust equipment~~. If there is no exhaust device or if the existing device can neither be measured nor rated, the exhaust device airflow shall be assumed to be zero.

BSR/ASHRAE Addendum L
to ANSI/ASHRAE Standard 62.2-2013

Public Review Draft

Proposed Addendum L to Standard 62.2-2013, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

First Public Review (May 2015)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

The current standard allows single-point blower door testing when determining an infiltration credit. This proposed change reduces the equations that are currently in the standard to a single, simple equation that is consistent with the use of a single-point test rather than requiring the user of the standard to go through the entire set of equations including intermediate steps. This proposed change will make infiltration credit calculations simpler for those using a single-point blower door test.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum L to 62.2-2013

Revise Section 4.1.2 as shown below.

4.1.2 Infiltration Credit. If a blower door test has been done then a credit for estimated infiltration may be taken using the following procedure.

Effective Annual Average Infiltration Rate (Q_{inf}). Effective Annual Average Infiltration Rate (Q_{inf}) shall be calculated using the normalized leakage calculated from measurements of envelope leakage using a multi-point test from either ASTM E779[1] or CGSB 149.10[2], or a single-point test at 50 Pa from ASTM E1827[19] or the RESNET *Mortgage Industry National Home Energy Systems Standard*[3]. ~~The authority having jurisdiction may approve other means of calculating effective leakage area (ELA), such as the RESNET *Mortgage Industry National Home Energy Systems Standard.*[3]~~

4.1.2.1 Estimating infiltration using a single-point envelope leakage test.

The Effective Annual Average Infiltration Rate (Q_{inf}) shall be calculated using Equation 4.2:

$$Q_{inf} = 0.052 \cdot Q_{50} \cdot wsf \cdot \left[\frac{H}{Hr}\right]^{0.4} \qquad (4.2)$$

where
Q_{inf} = estimated infiltration rate, cfm (L/s)
Q_{50} = leakage rate at 50 Pa depressurization, cfm (L/s)
wsf = weather and shielding factor from Normative Appendix B
H = vertical distance between the lowest and highest above-grade points within the pressure boundary, ft (m)
Hr = reference height, 8.2 ft (2.5 m)

4.1.2.2 Estimating infiltration using a multi-point envelope leakage test.

ASTM Procedure. To calculate the ELA from ASTM E779[1], the leakage area for pressurization and depressurization (using a 4 Pa reference pressure) shall be averaged using Equation 4.3~~2~~:

$$ELA = (L_{press} + L_{depress})/2 \quad (4.3\text{~~2~~})$$

where
ELA = effective leakage area, ft^2 (m^2)
L_{press} = leakage area from pressurization, ft^2 (m^2)
$L_{depress}$ = leakage area from depressurization, ft^2 (m^2)

CGSB Procedure. To calculate the ELA from CGSB 149.10[2], the following modifications to the test procedure must be made: 1) all vents and intentional openings must be in the same configuration as specified in ASTM E779[1] (i.e., HVAC dampers and registers should be in the normal operating position, fireplace and other dampers should be closed unless they are required for test operation), 2) height and floor area must be reported consistently with the definitions of this standard, and 3) the leakage area as calculated from the CGSB procedure must be converted using Equation 4.4~~3~~:

$$ELA = 0.61 \cdot (0.4)^{n-0.5} \cdot L_{cgsb} \quad (4.4\text{~~3~~})$$

where
n = exponent measured from the CGSB 149.10[2]
L_{cgsb} = CGSB leakage area, as modified above, ft^2 (m^2)

Normalized Leakage. Normalized leakage shall be calculated using Equation 4.5~~4~~:

$$NL = 1000 \cdot \frac{ELA}{A_{floor}} \cdot \left[\frac{H}{H_r}\right]^z \quad (4.5\text{~~4~~})$$

where
NL = normalized leakage
ELA = effective leakage area, ft^2 (m^2)
A_{floor} = floor area of residence, ft^2 (m^2)
H = vertical distance between the lowest and highest above-grade points within the pressure boundary, ft (m)
Hr = reference height, 8.2 ft (2.5 m)
z = 0.4 for the purpose of calculating the Effective Annual Infiltration Rate below

Effective Annual Average Infiltration Rate (Q_{inf}).

Effective Annual Average Infiltration Rate (Q_{inf}) shall be calculated using Equation 4.6~~5~~a or Equation 4.6~~5~~b:

$$Q_{inf}(\text{cfm}) = \frac{NL \cdot wsf \cdot A_{floor}}{7.3} \quad \text{(I-P) (4.6\text{~~5~~a)}}$$

where
NL = normalized leakage
wsf = weather and shielding factor from Normative Appendix B
A_{floor} = floor area of residence, ft^2

$$Q_{inf}(\text{L/s}) = \frac{\text{NL} \cdot \text{wsf} \cdot A_{floor}}{1.44} \qquad \text{(SI) (4.6}\underline{5}\text{b)}$$

where
NL = normalized leakage
wsf = weather and shielding factor from Normative Appendix B
A_{floor} = floor area of residence, m^2

4.1.2.3 Required Mechanical Ventilation Rate (Q_{fan}).

Required Mechanical Ventilation Rate (Q_{fan}) shall be calculated using Equation 4.7~~6~~:

$$Q_{fan} = Q_{tot} - Q_{inf} \qquad \text{(4.7}\underline{6}\text{)}$$

where
Q_{fan} = required mechanical ventilation rate, cfm (L/s)
Q_{tot} = total required ventilation rate, cfm (L/s)
Q_{inf} = may be no greater than $2/3 \cdot Q_{tot}$ (see Normative Appendix A for exceptions for existing buildings and Section 8.2.1 for multifamily buildings)

BSR/ASHRAE Addendum n
to ANSI/ASHRAE Standard 62.2-2013

Public Review Draft

Proposed Addendum n to Standard 62.2-2013, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

First Public Review (June 2015)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

This proposed change updates the requirements for ventilation controls, especially in the case of systems that are intended to operate continuously or automatically in multifamily units. In this case, the proposal supports the concept that the building owner should have the option of retaining control of the systems that they install and maintain to provide minimum indoor air quality and to manage indoor humidity for the building occupants.

The proposed change also updates the language related to the labeling of whole building mechanical ventilation controls by approving icons for use in addition to text-based labels. Finally, the proposal recognizes humidity sensors as a form of automatic controls for demand controlled mechanical ventilation. With California's new requirement for humidity sensors in all bathrooms, these are likely the most common form of automatic controls on the market and so should be included.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum n to 62.2-2013

Revise Section 4.4 as shown below.

4.4 Control and Operation. ~~The "fan on" switch on a heating or air-conditioning system shall be permitted as an operational control for systems introducing ventilation air through a duct to the return side of an HVAC system. Readily accessible override~~ A readily accessible manual ON-OFF control, including but not limited to a fan switch or a dedicated branch-circuit overcurrent device, ~~must~~ shall be provided ~~to the occupant~~. Controls shall include text or an icon indicating the system's function ~~Local exhaust fan switches and "fan on" switches shall be permitted as override controls. Controls, including the "fan on" switch of a conditioning system, must shall be appropriately labeled~~.

Exception: For multifamily dwelling units, the manual ON-OFF control shall not be required to be readily accessible.

Revise Section 5 as shown below. The remainder of Section 5 is unchanged.

5. Local Exhaust

5.1 Local Mechanical Exhaust. A local mechanical exhaust system shall be installed in each kitchen and bathroom. Each local ventilation system shall be either one of the following two:

a. a demand-controlled mechanical exhaust system meeting the requirements of Section 5.2 or
b. a continuous mechanical exhaust system meeting the requirements of Section 5.3.

Exception: *Alternative Ventilation*. Other design methods may be used to provide the required exhaust rates when approved by a licensed design professional.

5.2 Demand-Controlled Mechanical Exhaust. A local mechanical exhaust system shall be designed to be operated as needed ~~by the occupant~~.

5.2.1 Control and Operation. A readily accessible manual ON-OFF control shall be provided for each demand-controlled mechanical exhaust system. Automatic control devices such as but not limited to the following ~~are permissible~~ shall be permitted provided they do not impede manual ON-OFF ~~occupant~~ control: humidity sensors, shut-off timers, occupancy sensors, multiple-speed fans, combined switching, IAQ sensors, etc.

Exception: For multifamily dwelling units, an automatic control device shall be permitted to override manual OFF control, provided that it does not override manual ON control.

[…]

5.3 Continuous Mechanical Exhaust. A ~~continuously operating~~ mechanical exhaust system shall be installed to operate continuously ~~without occupant intervention~~. The system may be part of a balanced mechanical system. See Chapter 10 of ASHRAE Guideline 24[4] for guidance on selection of methods.

5.3.1 Control and Operation. A readily accessible manual ON-OFF control shall be provided for each continuous mechanical exhaust system. The system shall be designed to operate during all occupiable hours. ~~Readily accessible override control must be provided to the occupant.~~

Exception: For multifamily dwelling units, the manual ON-OFF control shall not be required to be readily accessible.

[…]

BSR/ASHRAE/IES Addendum ba
to ANSI/ASHRAE/IES Standard 90.1-2013

Public Review Draft

Proposed Addendum ba to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings

First Public Review (July 2015)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

The purpose of this proposed change is to make the requirement for inclusion of all building loads in the Appendix G simulation normative instead of informative. Inclusion of all building loads in an energy simulation is important to the accuracy of the simulation and to ensure efficient technologies are properly credited. If left as an informative note, the requirement is not enforceable and the accuracy of the simulation may be compromised.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum ba to 90.1-2013

Modify the standard as follows (IP and SI Units)

G1.2.-2 Performance Rating Calculation. The performance of the proposed building design is calculated in accordance with provisions of this appendix using the following formula:

Performance Cost Index = Proposed building performance / Baseline building performance

Both the proposed building performance and the baseline building performance shall include all end-use load components within and associated with the building when calculating the Performance Cost Index.

Informative Notes:

~~1. Both the proposed building performance and the baseline building performance shall include all end-use load components when calculating the Performance Cost Index.~~

~~2.~~ Neither the proposed building performance nor the baseline building performance are predictions of actual energy consumption or costs for the proposed design after construction. Actual experience will differ from these calculations due to variations such as occupancy, building operation and maintenance, weather, energy use not covered by this procedure, changes in energy rates between design of the building and occupancy, and the precision of the calculation tool.

Public Review Draft

Proposed Addendum d to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (July 2015)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD
This addendum corrects and clarifies a potentially confusing sentence in the standard that could cause some designers to believe that the bonus lighting power control factors from Table 9.6.3 of ASHRAE 90.1 cannot be used in 189.1. This is not the case. The 90.1 control factors from Table 9.6.3 of 90.1 can be used to help meet the Lighting Power Density (LPD) requirements of 189.1 as long as the applicable control method from 90.1 Table 9.6.3 is not mandatory in 189.1.

Misinterpretation of the original language is problematic because ASHRAE 189.1 should encourage (not discourage) designers to use the control methods from Table 9.6.3 of 90.1 since those methods increase energy savings, and misunderstanding the original sentence could discourage their use.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum d to 189.1-2014

7.4.6.1.1 Interior Lighting Power Densities (LPDs)

c. Any of the ~~C~~control factors from Table 9.6.3 in ANSI/ASHRAE/IES Standard 90.1 shall be permitted to be applied ~~not be used for any~~ provided that the corresponding control method~~ologies~~ is not required ~~in~~ by this standard (ASHRAE Standard 189.1).

Public Review Draft

Proposed Addendum e to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (July 2015)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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FOREWORD

To receive the additional lighting power allowance for tuning, the designer is committing to all lighting receiving the control factor having a high end trim control and that the control will be adjusted to reduce lighting power or illuminance by at least 15% under the highest setting under normal operation. The minimum 15% reduction in lighting power or light output will be confirmed by a functional performance test. The proposed control factor of 10% is less than the 15% minimum power reduction from tuning and thus would result in a net energy savings for the systems that are making use of the tuning control factor. This approach could enable tuning of light levels closer to maintained illuminance with the capability to readjust later on to account for light losses associated with various light loss mechanisms. This is not required by this proposal but could generate additional savings if approved by the building owner.

This new Section 7.4.6.1.1(d) in ASHRAE Standard 189.1 provides control credits (control factors times the wattage of the controlled lighting) for institutional tuning that are in addition to the control factors that already exist in Section 9.6.3 of ASHRAE Standard 90.1-2013. This proposal does not specify the design light levels, it requires that the relative light output (or relative power consumption) of tuned lighting be 15% less than the maximum light output of the installed lighting receiving the credit.

The definitions of institutional tuning and task tuning are based on definitions in IES LEM 7-13, Lighting Controls for Energy Management[1]*, and definitions in the NEMA Lighting Systems Division Document, Lighting Controls Terminology.*[2]

The functional performance test for institutional tuning is conducted when all other controls are set to their highest light output setting. As a result, for lighting systems that are controlled by automatic daylighting controls, the functional performance test for institutional tuning is required to be conducted at night when the daylighting controls will be calling for full normal light output from the controlled lighting system.

Note: In this addendum, changes to the current standard are indicated in the text by <u>underlining</u> (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum e to 189.1-2014

Modify Section 3.2 as follows:

[1] Institutional Tuning definition in Section 2.6 page 8, Personal Tuning Section 21.1

[2] *Lighting Controls Terminology* NEMA Lighting Systems Division Document LSD 64-2012. p. 7 definition 82 "Tuning." https://nlcaa.org/documents/aboutlightingcontrols.pdf

3.2 Definitions

institutional tuning: the process, by authorized personnel, of adjusting the maximum light output of individual luminaires, groups of luminaires or entire lighting systems to support visual needs or save energy. *Institutional tuning* is also known as high end trim control.

Modify Section 7.4 as follows:

7.4.6 Lighting. The lighting shall comply with Section 9 of ANSI/ASHRAE/IES Standard 90.1 and the following modifications and additions. **…..**

7.4.6.1.1 Interior Lighting Power Densities (LPDs). The interior *lighting power allowance* shall be determined using either Section 9.5 or Section 9.6 of ANSI/ASHRAE/ IES Standard 90.1 with the following modifications:

a. For those areas where the Building Area Method is used, the LPD from Table 9.5.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1A.
b. For those areas where the Space-by-Space Method is used, the LPD from Table 9.6.1 of ANSI/ASHRAE/IES Standard 90.1 shall be multiplied by the corresponding LPD Factor from Table 7.4.6.1B.
c. Control factors from Table 9.6.3 in ANSI/ASHRAE/IES Standard 90.1 shall not be used for any control methodologies required in this standard.

Insert the following item d of 7.4.6.1.1

d. An additional lighting power allowance shall be credited for *institutional tuning* of dimmable lighting systems that meet all of the following requirements:
   1. *Institutional tuning* controls shall be accessible only to authorized personnel.
   2. Construction documents shall state that maximum light output or power of controlled lighting shall be reduced by at least 15% from full output.
   3. The maximum light output or power of the controlled lighting shall be measured without *institutional tuning* and with *institutional tuning* to verify reduction of light output or power by at least 15% when tuned. In daylighted areas these measurements shall be conducted at night.

For controlled lighting in daylighted areas, the additional lighting power allowance shall be 0.05 times the controlled lighting power. In non-daylighted areas, the additional lighting power allowance shall be 0.10 times the controlled lighting power.

Modify Section 10.3.1.1.3 as follows:

10.3.1.1.3 Systems. The following systems, if included in the *building project*, shall have acceptance testing:

a. Mechanical systems: heating, ventilating, air conditioning, IAQ, and refrigeration systems (mechanical and/or passive) and associated controls.
b. Lighting systems: automatic daylighting controls, manual daylighting controls, occupancy sensing devices, ~~and~~, automatic shut-off controls, and dimming systems claiming a lighting power allowance for *institutional tuning* according to Section 7.4.6.1.1(d).

c. Fenestration Control Systems: Automatic controls for shading devices and dynamic glazing.
d. Renewable energy systems.
e. Water measurement devices, as required in Section 6.3.3.
f. Energy measurement devices, as required in Section 7.3.3.

Modify Section 10.3.1.2.4:

10.3.1.2.4 Systems. The following systems and associated controls, if included in the *building project*, shall be commissioned:

a. Heating, ventilating, air-conditioning, and refrigeration systems (mechanical and/or passive).
b. *Building envelope* systems, components, and assemblies to verify the airtightness and thermal and moisture integrity. *Building envelope* airtightness commissioning shall also comply with Section 10.3.1.2.5.
c. Lighting systems including dimming systems claiming a lighting power allowance *for institutional tuning* according to Section 7.4.6.1.1(d).
d. *Fenestration* control systems: *Automatic* controls for shading devices and *dynamic glazing*.
e. Irrigation.
f. Plumbing.
g. Domestic and process water pumping and mixing systems.
h. *Service water heating* systems.
i. Renewable energy systems.
j. Water measurement devices, as required in Section 6.3.3.

Public Review Draft

Proposed Addendum f to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (July 2015)
(Draft Shows Proposed Changes to Current Standard)

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FOREWORD

This addendum is intended to modify Table 6.3.2.1 to make it consistent with the text of paragraph 6.3.2.1b. Addendum v, incorporated into Standard 189.1-2014, included changes to the provisions for dual-flush water closets (toilets) in the text of the standard, but failed to change the corresponding line item in the table.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum f to 189.1-2014

Modify Table 6.3.2.1 as follows:

TABLE 6.3.2.1 Plumbing Fixtures and Fittings Requirements

Plumbing Fixture	Maximum
Water closets (toilets)—flushometer single-flush valve type	Single-flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—flushometer dual-flush valve type	Full-flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—single-flush tank-type	Single-flush volume of 1.28 gal (4.8 L)
Water closets (toilets)—dual-flush tank-type	~~Effective dual~~ Full flush volume of 1.28 gal (4.8 L)
Urinals	Flush volume 0.5 gal (1.9 L)
Public lavatory faucets	Flow rate—0.5 gpm (1.9 L/min)
Public metering self-closing faucet	0.25 gal (1.0 L) per metering cycle
Residential bathroom lavatory sink faucets	Flow rate—1.5 gpm (5.7 L/min)
Residential kitchen faucets	Flow rate— 1.8 gpm (6.8 L/min)*
Residential showerheads	Flow rate—2.0 gpm (7.6 L/min)
Residential shower compartment (stall) in *dwelling units* and guest rooms	Flow rate from all shower outlets total of 2.0 gpm (7.6 L/min)

*-With provision for a temporary override to 2.2 gpm (8.3 L/min) as specified in 6.3.2.1(g).

Public Review Draft

Proposed Addendum g to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

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(Draft Shows Proposed Changes to Current Standard)

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FOREWORD

These proposed changes to Standard 189.1 are intended to provide a higher level of indoor moisture control (primarily to reduce the likelihood of microbial growth on indoor surfaces) than is currently required by reference to Standard 62.1. The requirements for humidity limits during mechanical cooling operation supersede the requirements for humidity analysis during mechanical cooling in section 5.9.1 of Standard 62.1, but do not supersede the requirements in section 5.9 or 5.9.2. Standard 62.1 requires designers to analyze mechanical cooling system capability to limit indoor relative humidity at a single low-sensible and high-latent load condition, but this addendum requires designs that either directly or indirectly limit zone relative humidity during cooling operation.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum g to 189.1-2014

Note to reviewers:
Definitions: *HVAC system: see ANSI/ASHRAE/IES Standard 90.1 (which reads: HVAC system: the equipment, distribution systems, and terminals that provide, either collectively or individually, the processes of heating, ventilating, or air conditioning to a building or portion of a building). Add new Section 8.3.1.4 and renumber existing section as follows:*

8.3.1.4 Humidity Control. The requirements in this section supersede the requirements in Section 5.9.1 of ANSI/ASHRAE Standard 62.1. Mechanical air-conditioning and evaporative cooling systems shall be designed in accordance with Sections 8.3.1.4.1 and 8.3.1.4.2, as applicable.

Exceptions

1. Systems serving *HVAC zones* with construction, furnishings and fixtures that manage liquid water and high humidity using impervious or moisture-retardant surfaces and other means
2. Systems where performance simulation demonstrates that *HVAC zone* relative humidity levels during cooling do not exceed 65% RH for more than 48 consecutive hours.

8.3.1.4.1 Cooling Coils. *HVAC systems* with dehumidification capability in climate zones 1a, 2a, 3a, 4a, and 4c shall be designed in accordance with one of the following.

a. Where recirculating systems do not include means for *HVAC zone* humidity sensing, such systems shall include controls capable of maintaining the average

cooling-coil leaving air temperature at 53 °F or lower, and shall include devices and controls capable of maintaining each *HVAC zone* sensible temperature set point using one of the following approaches:

1) Variable *HVAC zone* supply airflow rate
2) Variable return-air bypass-flow around each cooling coil serving one or more *HVAC zones*
3) Variable *HVAC zone* supply air reheat using *site-recovered energy* or *site-solar energy*

b. Where a 100% outdoor air system provides pre-conditioned outdoor air for ventilation, and where such systems do not include means for *HVAC zone* humidity sensing, the 100% outdoor air system shall include devices and controls capable of maintaining the average cooling coil-leaving air temperature at 53 °F or lower.

c. Where systems include means for *HVAC zone* relative humidity sensing, such systems shall include devices and controls capable of limiting *HVAC zone* relative humidity to not exceed 65% RH for more than 48 consecutive hours.

8.3.1.4.2 Direct Evaporative Cooling. Direct evaporative cooling systems shall include devices and controls capable of limiting *HVAC zone* relative humidity to not exceed 65% RH for more than 48 consecutive hours.

~~8.3.1.4~~ **8.3.1.5 Environmental Tobacco Smoke**

Renumber subsequent sections accordingly.

Add new Section 10.3.2.1.4.7 and renumber existing section as follows:

10.3.2.1.4.7 Moisture Measurement. The Plan for Operation shall document procedures for implementing a regular humidity-sensor monitoring program after building occupancy. Such procedures shall include provisions for the following:

a. For systems complying with Section 8.3.1.4 using relative humidity sensors to determine *HVAC zone* relative humidity directly, or using dew point and zone temperature sensors to determine *HVAC zone* relative humidity indirectly, the relative humidity determined shall be checked annually and compared to the relative humidity established using methods described in ASHRAE Standard 111.

b. Sensors shall be cleaned or repaired and recalibrated as necessary to ensure that sensor measurements are within 10% of actual relative humidity measurements.

10.3.2.1.4.~~7~~8 Document all …

Add the following reference to Section 11:

Reference	Title	Section
Air Movement and Control Asscociation International, 30 West University Drive, Arlington Heights, IL 60004-1806 AMCA 500-D-07	Laboratory methods of Testing Dampers for Rating	8.3.6.2.2

20XX

ASME B16.48-2010
(Revision of ASME B16.48-2005)

Line Blanks

AN AMERICAN NATIONAL STANDARD

ASME
SETTING THE STANDARD

Two

Three Park Avenue • New York, NY • 10016 USA

6 MATERIALS

6.1 General

(a) Materials for line blanks shall be in accordance with ASME B16.5, Table 1A, and shall include material restrictions cited in notes to Tables 2 or II-2 of ASME B16.5. The blank and spacer portions of line blanks shall be manufactured as one piece in accordance with the applicable material specification. Assembly of multiple pieces into a blank or spacer portion by welding or other means is not permitted by this standard. Attachment of the handle or web (tie bar) to a blank or spacer portion by welding or other means is permitted.

(b) Recommended bolting materials for flange-blank assemblies are listed in ASME B16.5, Table 1B.

(c) For materials manufactured to editions of the material specification other than those listed in Appendix III of ASME B16.5, refer to para. 6.2.

(d) Criteria for the selection of materials are not within the scope of this Standard.

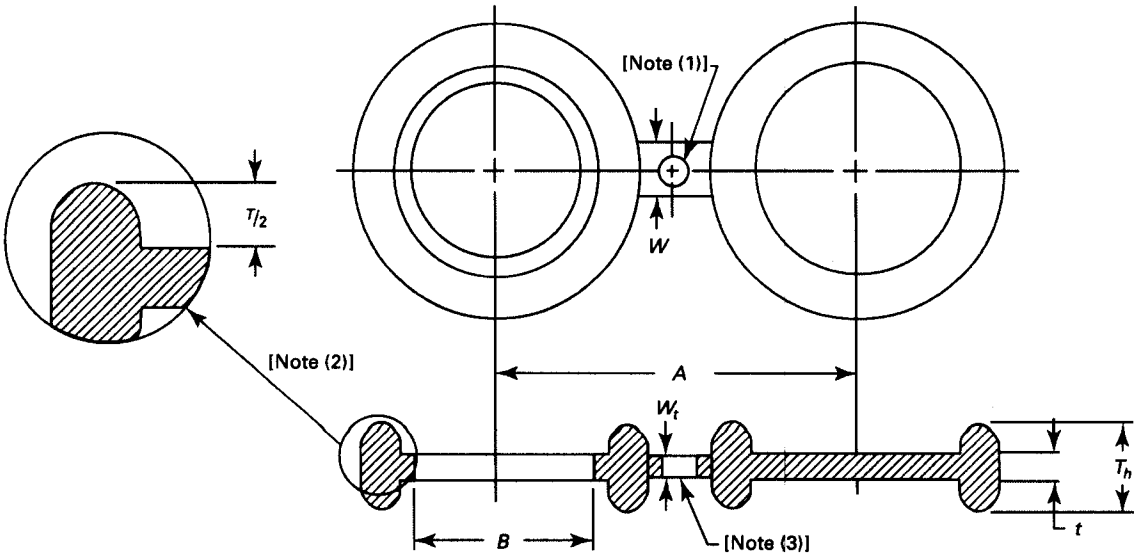

Table 14 Dimensions of Class 300 Male Oval Ring-Joint Facing Figure-8 Blanks

NPS	Inside Diameter, *B*, mm	Centerline Dimension, *A*, mm	Thickness, *t*, mm	Web Width, *W*, mm
½	21	65	6.4	38
¾	27	80	9.7	45
1	34	90	9.7	51
1¼	42	100	9.7	51
1½	48	115	9.7	57
2	61	125	12.7	57
2½	73	150	15.7	57
3	89	170	15.7	57
3½	102	180	19.1	64
4	114	200	15.7	64
5	141	235	19.1	76
6	168	270	22.4	83
8	219	330	25.4	95
10	273	390	28.4	102
12	324	450	35.1	121
14	356	415	38.1	127
16	406	570	41.1	127
18	457	630	44.5	127
20	508	685	50.8	127
24	610	810	57.2	152

GENERAL NOTE: Dimensions are in millimeters. For inch dimensions, refer to corresponding Table A-14 in Nonmandatory Appendix A.

NOTES:

(1) Hole size (where required due to bolt spacing) shall be the same as the flange bolt hole and located such that it will not interfere with bolting between two flanges.

(2) Oval ring-joint dimensions shall be in accordance with ASME B16.20, except $T_h = T + t$, where T is the ring height specified in ASME B16.20.

(3) The thickness of the web (or tie bar) dimension, W_t, shall be as determined by para. 3.1.

B16.48-20XX - Public Review Draft (6/27/2012)
Proposed revision of B16.48-2010

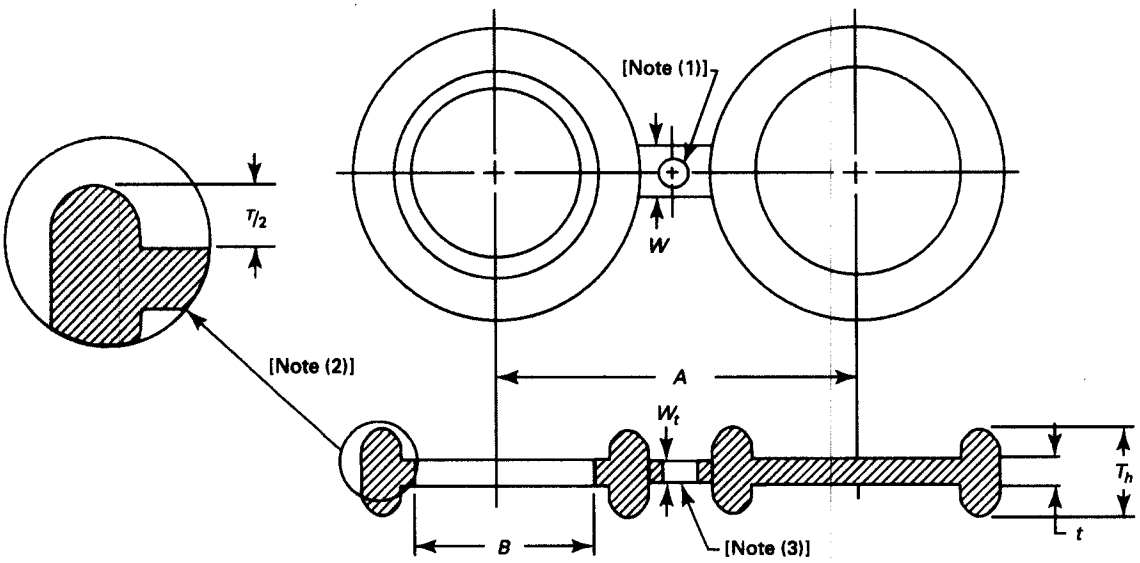

Table A-14 Dimensions of Class 300 Male Oval Ring-Joint Facing Figure-8 Blanks

NPS	Inside Diameter, *B*, in.	Centerline Dimension, *A*, in.	Thickness, *t*, in.	Web Width, *W*, in.
½	0.84	2.62	0.25	1.50
¾	1.05	3.25	0.38	1.75
1	1.32	3.50	0.38	2.00
1¼	1.66	3.88	0.38	2.00
1½	1.90	4.50	0.38	2.25
2	2.38	5.00	0.50	2.25
2½	2.88	5.88	0.62	2.25
3	3.50	6.62	0.62	2.25
3½	4.00	7.25	0.75	2.50
4	4.50	7.88	0.62	2.50
5	5.56	9.25	0.75	3.00
6	6.62	10.62	0.88	3.25
8	8.62	13.00	1.00	3.75
10	10.75	15.25	1.12	4.00
12	12.75	17.75	1.38	4.75
14	14.00	20.25	1.50	5.00
16	16.00	22.50	1.62	5.00
18	18.00	24.75	1.75	5.00
20	20.00	27.00	2.00	5.00
24	24.00	32.00	2.25	6.00

0.62

GENERAL NOTE: Dimensions are in inches. For millimeter dimensions, refer to corresponding Table 14.

NOTES:

(1) Hole size (where required due to bolt spacing) shall be the same as the flange bolt hole and located such that it will not interfere with bolting between two flanges.

(2) Oval ring-joint dimensions shall be in accordance with ASME B16.20, except $T_h = T + t$, where T is the ring height specified in ASME B16.20.

(3) The thickness of the web (or tie bar) dimension, W_t, shall be as determined by para. 3.1.

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

NSF/ANSI Standard
for Drinking Water Treatment Units –

Drinking water treatment units — Health effects

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7 Elective performance claims – test methods

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7.3 Mechanical filtration reduction claims

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7.3.2 Cyst reduction

The system shall be tested using one of the following options:

- live *Cryptosporidium parvum* oocysts (see 7.3.2.1); or
- polystyrene microspheres (see 7.3.2.2).

7.3.2.1 Live *Cryptosporidium parvum* oocyst reduction

7.3.2.1.1 Live *Cryptosporidium parvum* oocyst reduction claim

The system shall reduce the number of live *Cryptosporidium parvum* oocysts from an influent challenge of at least 50,000 (5×10^4) oocysts per liter by at least 99.95% at every individual unit effluent sample point when tested in accordance with 7.3.2.1. The *Cryptosporidium parvum* oocysts shall be from a calf source. The viability shall be greater than 50% determined by excystation.[1] The oocysts shall be stored with 1,000 I. U. / mL penicillin and 1,000 µg/mL streptomycin at 4 °C (39 °F) and shall be used within eight weeks of collection. The live *Cryptosporidium* parvum oocysts shall not be inactivated by any means including chemical or UV irradiation prior to passing through the test system.

NOTE – It has been reported that the oocyst wall of viable oocysts may deform. Excystation is performed as an indication of the potential of the oocyst wall to deform and is not done to measure the infectivity of the organism.

[1] The in vitro excystation method is specified in *Development of a Test to Assess Cryptosporidium parvum Oocysts Viability: Correlation with Infectivity Potential,* American Water Works Association Research Foundation, 6666 West Quincy Avenue, Denver, CO 80235 <www.waterresearchfoundation.org>.

The live *Cryptosporidium parvum* oocyst reduction shall not be used when testing systems intended for use in bottled water plants because of laboratory personnel safety concerns.

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NSF/ANSI Standard
for Drinking Water Treatment Units —

Reverse osmosis drinking water treatment systems

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7 Elective performance claims – test methods

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7.2 Mechanical filtration claims

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7.2.2 Cyst reduction claims

The system shall reduce the number of particles from the influent test water by at least 99.95% at every individual unit effluent sample point when tested in accordance with 7.2.2.

Reason: Revised for clarity per 2015 DWTU JC meeting discussion (May 13, 2015).

A300 (Part 10) Draft 2 Version 4

This draft is not approved for trial, model, or sample use, or any other form of incorporation or implementation.

for Tree Care Operations –
Tree, Shrub, and Other Woody Plant Management –
Standard Practices *(Integrated Pest Management)*

Secretariat
Tree Care Industry Association, Inc.

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Contents

Foreword (This foreword will not be part of the new American National Standard A300 Part 10-201x)

ANSI A300 Standards are divided into multiple parts, each focusing on a specific aspect of woody plant management (e.g. Pruning, Soil Management, Supplemental Support Systems, etc).

These standards are used to develop written specifications for work assignments. They are not intended to be used as specifications in and of themselves. Management objectives may differ considerably and therefore must be specifically defined by the user. Specifications are then written to meet the established objectives and must include measurable criteria.

ANSI A300 standards apply to professionals who provide for, or supervise the management of, trees, shrubs, and other woody landscape plants. Intended users include businesses, government agencies, property owners, property managers, and utilities. The standard does not apply to agriculture, horticultural production, or silviculture, except where explicitly noted otherwise.

This standard has been developed by the Tree Care Industry Association (TCIA), an ANSI-accredited Standards Developing Organization (SDO). TCIA is secretariat of the ANSI A300 standards, and develops standards using procedures accredited by the American National Standards Institute (ANSI).

Consensus for standards writing was developed by the Accredited Standards Committee on Tree, Shrub, and Other Woody Plant Management Operations – Standard Practices, A300 (ASC A300).

Prior to 1991, various industry associations and practitioners developed their own standards and recommendations for tree care practices. Recognizing the need for a standardized, scientific approach, green industry associations, government agencies and tree care companies agreed to develop consensus for an official American National Standard.

The results – ANSI A300 standards – unify and take authoritative precedence over all previously existing tree care industry standards. ANSI requires that approved standards be developed according to accepted principles, and that they be reviewed and, if necessary, revised every five years.

TCIA was accredited as a standards developing organization with ASC A300 as the consensus body on June 28, 1991. ASC A300 meets regularly to write new, and review and revise existing, ANSI A300 standards. The committee includes industry representatives with broad knowledge and technical expertise from residential and commercial tree care, utility, municipal and federal sectors, landscape and nursery industries, and other interested organizations.

When approved, the new A300 Part 10 – *Integrated Pest Management* standard will be used in conjunction with the rest of the ANSI A300 standards when writing specifications for tree care operations.

The 30-day public review period for the noted items in this draft runs from July 24, 2015 through August 23, 2015. This document is not approved as a draft for trial use. Official public comments or information requests regarding this document must be forwarded to: rrouse@tcia.org, A300 Secretary, c/o Tree Care Industry Association, Inc., 136 Harvey Road - Suite 101, Londonderry, NH, 03053. Responses will be provided. Comments may be forwarded to ASC A300 members, however comments that are forwarded only to ASC A300 members may not be recorded as official comments and a response may not be provided. After the public review period, the Part 10 draft may be submitted to ANSI by TCIA and the ANSI-accredited Standards Committee A300 (ASC A300). Committee approval of the standard will not necessarily imply that all committee members voted for its approval.

At the time it distributed this document, the ASC A300 had the following members:

Dane Buell, Chair
(Brickman/ValleyCrest, Inc.)

Bob Rouse, Secretary
(Tree Care Industry Association, Inc.)

Organizations Represented	Name of Representative
Alliance for Community Trees	Danielle Crumrine
AmericanHort (formerly ANLA)	Warren Quinn
	Craig J. Regelbrugge (Alt.)
American Society of Consulting Arborists	Torrey Young
	Rick Gessner (Alt.)
American Society of Landscape Architects	Susan Cahill
Asplundh Tree Expert Company	Geoff Kempter
	David Johnson (Alt.)
Bartlett Tree Expert Company	Wayne Dubin
	Dr. Thomas Smiley (Alt.)
Davey Tree Expert Company	Chris Klimas
	Dr. Richard Rathjens (Alt.)
International Society of Arboriculture	Dr. Richard Hauer
	Sharon Lilly (Alt.)
Professional Grounds Management Society	Gene Pouly
	Michael Bova (Alt.)
National Association of Landscape Professionals (formerly PLANET)	Philip Ruiz
	Tom Delaney (Alt.)
Society of Municipal Arborists	Nolan Rundquist
	Gordon Mann (Alt.)
Tree Care Industry Association	Tom Mugridge
	Steve Mays Jr. (Alt.)
USDA Forest Service	Ed Macie
	Lauren Marshall (Alt.)
Utility Arborist Association	William Rees
	Matthew Simons (Alt.)

Additional organizations and individuals:
Tim Johnson (Observer)
Myron Laible (Observer)
Beth Palys (Observer)
Richard Roux (NFPA-780 Liaison)

A300 Part 10 Subject Matter Expert:
Dr. Michael Raupp

A300 Part 10 Subgroup Chair:
Peter Becker

Mission: To develop consensus performance standards for the professional management of trees, shrubs and other woody plants.

Vision: ANSI A300 standards will be the foundation for work specifications, training materials, quality protocols, and regulations for the management of trees, shrubs, palms, and other woody plants.

The 30 day public review items are listed as follows.

Section 102.2.3

Subclause 102.2.3.5 was deleted. **Subclause 102.2.3.1** was revised to include the intent of **subclause 102.2.3.5:**

102.2.3.1 A management strategy for achieving the objectives shall be established considering the plant and site assessment, and the client's preferences and limitations ~~developed based on the objectives~~.

~~**102.2.3.5** The IPM management strategy shall consider the results of the plant and site assessment.~~

Section 102.2.6

Subclauses 102.2.6.2 and **102.2.6.3** were deleted as being redundant with **subclause 102.2.6.1.** No change was made to **subclause 102.2.6.1:**

102.2.6.1 Chemical treatments shall be used in accordance with federal, state, and local laws and regulations.

~~**102.2.6.2** Chemical treatments shall be applied according to manufacturers' label instructions.~~

~~**102.2.6.3** Chemicals shall be stored in their original container or a labeled pesticide service container.~~

Section 104 Definitions (Definitions will be part of the new standard when approved)

New definition 104.15 management strategy: a plan to achieve objectives within established limitations and preferences.

BSR/UL 60065, Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements

1. The Proposed Eighth Edition of the Standard for Audio, Video and Similar Electronic Apparatus – Safety Requirements, UL 60065. Proposed changes to 9.1.1.2.

9.1.1.2 DU DE Determination of HAZARDOUS LIVE parts

In order to verify that a part or a contact of a **TERMINAL** is **HAZARDOUS LIVE**, the following measurements are carried out between any two parts or contacts, then between any part or contact and either pole of the supply source used during the test.

NOTE 1 For discharges between the poles of the MAINS plug, see 9.1.6.

a) The part or contact of a **TERMINAL** is **HAZARDOUS LIVE** if the open-circuit voltage exceeds

- 35 V (peak) a.c. or 60 V d.c.; or

- 71 V r.m.s. for audio signals of other than **PROFESSIONAL APPARATUS** and **COMMERCIAL APPARATUS**; or

- 120 V r.m.s. for audio signals of **PROFESSIONAL APPARATUS** and **COMMERCIAL APPARATUS**.

(NEW) If the voltage limits in a) are exceeded, provisions b) to d) apply.

b) The part or contact of a **TERMINAL** is **HAZARDOUS LIVE** if the **TOUCH-CURRENT**, ~~expressed as the corresponding voltages U_1 and U_2, and measured~~ carried out in accordance with ~~IEC 60990~~ UL 101, with the measuring network described in Annex D of this standard, exceeds ~~the following values:~~ 0.5 MIU.

~~- for a.c.: U_1 = 35 V (peak) and U_2 = 0,35 V (peak);~~

~~- for d.c.: U_1 = 1,0 V.~~

~~NOTE 2 The limit values of U_2 = 0,35 V (peak) for a.c. and U_1 = 1,0 V for d.c. correspond to the values 0,7 mA (peak) a.c. and 2,0 mA d.c.~~

~~The limit value U_1 = 35 V (peak) for a.c. corresponds to the value 70 mA (peak) a.c. for frequencies greater than 100 kHz.~~

NOTE 3 For apparatus intended to be used in tropical climates, the voltage limits given in a) and b) above are typically halved.

*For **CLASS I** constructions, the r.m.s. **TOUCH-CURRENT** to earth shall not be more than 3,5 mA. The measurement shall be carried out with the measurement network described in Annex D of this standard and with the protective earthing connection disconnected.*

*Discharges shall be measured to the **TERMINAL** provided for connecting the apparatus to the supply source, immediately after the interruption of the supply. The part or contact of a **TERMINAL** is **HAZARDOUS LIVE** if:*

c) the charge exceeds 45 µC for stored charges at voltages between 60 V d.c. and 15 kV d.c., or

d) the energy of discharge exceeds 350 mJ for stored charges at voltages exceeding 15 kV d.c.

BSR/UL 21, Standard for Safety LP-Gas Hose

1. Additional Options to Measure Pressure

8.2.1 Hydrostatic pressure may be applied by means of a hand- or power-operated pump or an accumulator system capable of increasing the pressure in the hose at a rate of not less than 300 psig (2070 kPa) nor more than 1000 psig (6900 kPa) per minute. ~~All pressures are to be measured with a calibrated pressure gauge.~~ A calibrated pressure-indicating device is to be connected in the piping system. The pressure-indicating device shall comply with one of the following:

a) An analog gauge having a pressure range of at least 150 percent of the anticipated maximum working pressure;

b) A digital pressure transducer, or other digital gauge, that is calibrated over a range of pressure that includes the test pressure; or

c) Other device that is equivalent to the devices in (a) or (b).

2. Hose Length

8.1.1 A hose~~, when lying straight,~~ shall withstand a hydrostatic pressure of 700 psig (4830 kPa) for 5 min without leakage, ballooning, or rupture.

8.3.1 Samples are to consist of at least one full length [nominally ~~50~~ 11 ft (~~15.2~~ 3.4 m)] of each size of hose.

3. Additional Valve Types

8.3.2 By means of couplings or temporary test fittings, one end of the hose is to be connected to the source of water or other acceptable test liquid and the other end closed with a fitting which will allow all air to be expelled. ~~provided with a pet cock for the escape of air while the hose is being filled with liquid.~~ The hose is to be placed on a test surface so as to lie straight and without twist.

8.3.3 ~~With the pet cock open, t~~ The test liquid is to be admitted through the hose gradually until all of the air has been expelled and the hose is completely filled. ~~The pet cock is then to be closed and t~~ The pressure in the hose is to be increased at a rate of not less than 300 psig (2070 kPa) nor more than 1000 psig (6900 kPa) per minute until the required test pressure is reached. While the pressure is being increased, the hose is to be carefully examined for leakage and other defects. When the test pressure has been reached, it is to be held at 5 min and the hose checked for leakage or ballooning.

9.3.2 The hose sample, while lying straight, is to be connected to the pump and filled with the test liquid until all of the air has been expelled and the hose is completely filled. ~~, leaving the pet cock open to allow the air to escape. The pet cock is then to be closed and t~~ The pressure in the hose is to be increased at a uniform rate of approximately 1000 psig (6900 kPa) per minute until the required test pressure of 1750 psig (12,100 kPa) has been reached.

4. Update of Fuel Oil Type

17.1.2 The tensile strength and ultimate elongation of specimens of a rubber cover which have been immersed in ~~ASTM Oil No. 3~~ IRM Oil No. 903 at 100 ±2°C (212 ±3.6°F) for 70 h shall not be less than 40 percent of the corresponding properties of specimens which have not been immersed in the test liquid.

17.1.4 For the tensile strength and ultimate elongation determinations, six specimens of the tube and nine specimens of the cover are to be prepared in the same manner as for the tensile strength and elongation tests described in 11.2.1 - 11.3.6, before immersion of the specimens in the test liquids. However, the 1-in (25.4 mm) apart bench marks are to be stamped on the specimens after the immersion. The specimens are to be immersed so that they do not touch each other or the sides of the container. Three tube specimens and three cover specimens are to be immersed for 70 h in commercial n-hexane. Three cover specimens are also to be immersed for 70 h in ~~ASTM Oil No. 3~~ IRM Oil No. 903. The n-hexane is to be maintained at 23.0 ±2.0°C (73.4 ±3.6°F) throughout the immersion period. The ~~ASTM Oil No. 3~~ IRM Oil No. 903 is to be maintained at 100.0 ±2.0°C (212.0 ±3.6°F) throughout the immersion period.

17.1.5 At the end of the immersion period, the specimens are to be removed from the test liquids, and the specimens that had been immersed in oil are to be cooled in fresh ~~ASTM Oil No. 3~~ IRM Oil No. 903 maintained at 23.0 ±2.0°C (73.4 ±3.6°F) for 30 to 60 min. Immediately upon removal from the liquids maintained at 23.0 ±2.0°C, the specimens are to be blotted dry with a soft cloth or filter paper, the 1-in (25.4 mm) apart bench marks are to be stamped on the specimens, and the specimens are to be subjected to the tensile strength and elongation tests described in 11.2.1 - 11.3.6. For comparison, three specimens of the rubber tube and three specimens of the rubber cover that have not been immersed in the test liquids are to be subjected to the tensile strength and elongation tests at the same time the immersed specimens are tested.

17.2.3 The volumetric swelling of specimens of a rubber cover which have been immersed in ~~ASTM Oil No. 3~~ IRM Oil No. 903 at 100 ±2°C (212 ±3.6°F) for 70 h shall not exceed 100 percent.

17.2.4 ~~ASTM Oil No. 3~~ IRM Oil No. 903 referred to in 17.1.4, 17.2.6, and 17.2.7 is a high swelling petroleum-base oil having a kinematic viscosity of 31.9 to 34.1 mm^2 /sec. (cSt) at 37.8°C (100°F) [Saybolt Universal viscosity of 155 ±5 sec at 98.9°C (210°F)]; an aniline point of 70 ±1.0°C (158 ±1.8°F) and a flash point (open cup) of 163°C (325°F). See the Test Method for Rubber Property - Effect of Liquids , ASTM D471.

17.2.6 For the volumetric swelling determinations, samples from the tube and cover of the hose are to be buffed smooth, and three specimens, 1 by 2 in (25.4 by 50.8 mm) (or as close to these dimensions as possible for small diameter hose), are to be cut by means of the die. The volume of each specimen is to be determined by weighing it first in air and then in water. The tube specimens are then to be dried and immersed for 70 h in commercial n-hexane. Three cover specimens are to be dried and immersed for 70 h in commercial n-hexane and another three cover specimens are to be immersed in ~~ASTM Oil No. 3~~ IRM Oil No. 903. The n-hexane is to be maintained at 23.0±2.0°C (73.4 ±3.6°F) throughout the immersion period. The ~~ASTM Oil No. 3~~ IRM Oil No. 903 is to be maintained at 100.0 ±2.0°C (212.0 ±3.6°F) throughout the immersion period.

17.2.7 At the end of the immersion period, the specimens that have been immersed in oil are to be cooled in fresh ~~ASTM Oil No. 3~~ IRM Oil No. 903 maintained at 23.0 ±2.0°C (73.4 ±3.6°F) for 30 to 60 min. The specimens are to be removed one at a time from the liquids maintained at 23.0 ±2.0°C, rinsed in ethyl alcohol, blotted dry with a soft cloth or filter paper, and again weighed, first in air and then in water. The weight in air is to be taken within 30 sec after the specimen is removed from the test liquid, and the weight in water is to be taken within 60 sec after the removal from the test liquid. The percent increase in volume is to be calculated for each specimen, and the results for three specimens in each of the test liquids are to be averaged.

BSR/UL 498A, Current Taps and Adapters

3. Addition of requirements to include a magnetic attached/detached adapter

PROPOSAL

3.12 ~~MAGNETICALLY COUPLED~~ MAGNETIC ATTACHED/DETACHED ADAPTER - A device constructed of two mated halves held together by a permanent magnet

9.2 A device shall have a maximum of three outlets supplied from one set of line blades.

Exception No. 1: A device that complies with 9.3, 9.4, or 9.5 is not required to comply with this requirement. See Table 9.1.

Exception No. 2: A ~~magnetically coupled~~ magnetic attached/detached adapter shall have only one outlet supplied from one set of line blades.

10.8 Permanent magnets

10.8.1 Permanent Magnets used in a ~~magnetically coupled~~ magnetic attached/detached adapter shall not carry current. Permanent magnets shall de-energize the electrical contacts when mating ~~haves~~ halves are detached ~~decoupled~~.

11.1.5 Permanent Magnets ~~used in a magnetically coupled adapter~~ shall de-energize the electrical contacts when mating halves are detached. ~~not be relied upon to provide and render parts "de-energized".~~ Accessibility of live parts shall comply with 11.1.4 in both the coupled and uncoupled positions.

13.1.5 The grounding pin, blade, tab, or contact, of a grounding device shall be permanently attached to the body of the device.

Exception: For a ~~magnetically coupled~~ magnetic attached/detached adapter the grounding pin, blade, or contact of a grounding device shall be permanently attached to each individual body halves of the adapter.

17D ~~Magnetically Coupled~~ Magnetic Attached/Detached Adapter

17D.1 In addition to the performance contained elsewhere in this standard the separable parts of a ~~magnetically coupled~~ magnetic attached/detached adapter shall comply with the Contact Gap, Overload, Endurance No. 1 (Inductive - 6000 cycles), Endurance No. 2 (Tungsten - 6000 cycles), Temperature, and Contact Gap (repeated) tests contained in the Standard for Flush Switches, UL 20.

17D.2 The tests identified in 17D.1 shall be performed based upon the marked ampere and voltage rating of the ~~magnetically coupled~~ magnetic attached/detached adapter.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Clarification of the Requirements for Gaskets and Seals Not Subject to Flexing Specified in Section 43

PROPOSAL

43.1 To determine acceptability in accordance with the Exception to 40.3, a material, used for a gasket, a diaphragm, a seal, or the like shall have the physical properties as specified in Table 43.1 before and after the accelerated aging specified in Table 43.2. The material shall not harden, deform, melt, or otherwise deteriorate to a degree that will adversely affect the sealing properties.

Exception No. 1: A material of a component not under compression need not be subjected to the compression set requirements.

Exception No. 2: A material that has been investigated in accordance with 43.5 may have physical properties other than as specified in 43.1.

Exception No. 3: ~~Gaskets and seals used only for the environmental rating of the pump may comply with the requirements for gaskets in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E.~~ A noncomposite material that has been found to comply with the requirements in Table 4.1 of the Standard for Gaskets and Seals, UL 157, and that complies with the minimum acceptable elongation, tensile strength, set, and compression set after aging as specified in Table 43.1 is considered in compliance with these requirements.

Exception No. 4: Gaskets and seals used only for the environmental rating of the pump that comply with the requirements for gaskets in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E are considered in compliance with this requirement