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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: August 20, 2017

ASPE (American Society of Plumbing Engineers)

Revision

BSR/WQA/ASPE/NSF S-802-201x, Sustainable Media Products for Water Treatment (revision of ANSI/WQA/ASPE/NSF S-802-2014)

The scope of this product sustainability standard is limited to the following treatment media product types (or blends thereof) commonly utilized in water treatment:

- (A) Activated carbon;
- (B) Ion exchange resin;
- (1) Cation resins, (polybenzyl sulfonates);
- (2) Anion resins (polybenzyl aminates);
- (3) Acrylic-based ion exchange resin.

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

Send comments (with copy to psa@ansi.org) to: Gretchen Pienta, (847) 296-0002, gpienta@aspe.org

HI (Hydraulic Institute)

Revision

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of ANSI/HI 11.6-2012)

This standard applies to customer acceptance testing of submersible pumps driven by induction motors, unless otherwise agreed or specified. A submersible pump is defined as a close-coupled pump/motor unit designed to operate submerged in the pumped liquid.

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

Send comments (with copy to psa@ansi.org) to: Tori Serazi, (973) 267-9700, tserazi@pumps.org

NEBB (National Environmental Balancing Bureau)

Revision

BSR/NEBB S120-201x Rev. 1, Technical Retro-Commissioning of Existing Buildings Standard (revision and redesignation of ANSI/NEBB S120-2016)

The modification was prepared by NEBB Retro-Commissioning Standards (RCx) Committee on March 23, 2017 to replace Normative Appendix A of NEBB Technical Retro-Commissioning of Existing Buildings, S120-2016, to reflect NEBB Approved Instrumentation list for RCx.

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

Send comments (with copy to psa@ansi.org) to: Bohdan Fedyk, (301) 977-3968, don@nebb.org

NSF (NSF International)

Revision

BSR/NSF 42-201x (i95r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 586-201x, Standard for Safety for High-Efficiency, Particulate, Air Filters (revision of ANSI/UL 586-2009 (R2014))

This proposal includes (1) Revision to replace trade name references with chemical name; (2) Clarification of testing procedures for Heated Air Test and Spot Flame Test.

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

Send comments (with copy to psa@ansi.org) to: Julio Morales, (919) 549-1097, Julio.Morales@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2017)

This proposal is a clarification of the testing requirement for materials having both V and 5V Flame Ratings with respect to the Water Exposure and Immersion Test.

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

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1026-201X, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 7-21-17) (revision of ANSI/UL 1026-2017)

This proposal includes: (1) New requirements for toaster oven racks, (2) Revision of requirements for automatic toasters: Clarification for secondary operating control.

[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

Comment Deadline: September 4, 2017

AAMI (Association for the Advancement of Medical Instrumentation)

Revision

BSR/AAMI HE75-201x, Human factors engineering - Design of medical devices (revision of ANSI/AAMI HE75-2009 (R2013))

Addresses a broad range of human factors engineering (HFE) topics in a structured format. Examples are provided, as are references to more detailed information. The material emphasizes adoption of a user-centered focus throughout the product design and development process, with the goal of making medical devices easier to use and less prone to use error.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/higherlogic/ws/public/document?document_id=12242&wg_abbrev=PUBLIC_REV

Order from: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

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

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

BSR/ASME B16.20-201x, Metallic Gaskets for Pipe Flanges (Ring-Joint, Spiral-Wound, and Jacketed) (revision of ANSI/ASME B16.20-2012)

This Standard covers materials, dimensions, tolerances, and markings for metal ring-joint gaskets, spiral-wound metal gaskets, metal-jacketed gaskets, and grooved metal gaskets with covering layers. These gaskets are dimensionally suitable for use with flanges described in reference flange standards ASME B16.5, ASME B16.47, API Specification 6A, and ISO 10423.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Carlton Ramcharan, (212) 591-7955, ramcharranc@asme.org

AWS (American Welding Society)**New Standard**

BSR/AWS D16.6M/D16.6-201x, Specification for Robot Arc Welding Training and Testing Cell (new standard)

This document specifies the recommended design, integration, installation, and use of robotic arc welding systems used to train and certify operators and technicians under the AWS Certified Robotic Arc Welding (CRAW) program. Robotic and automatic arc welding systems consist of an arc welding power source, arc welding torches and accessories, robot/manipulator, shielding gas-delivery system, welding electrode feeding equipment, welding circuit, communication control wiring, and system grounding. An example of a typical Robotic Arc Welding Cell is shown in Figure 1 of the standard. This document assumes that the robot training and testing will utilize GMAW or FCAW processes.

Single copy price: \$48.00

Obtain an electronic copy from: pportela@aws.org

Order from: Peter Portela, (800) 443-9353, pportela@aws.org

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

AWS (American Welding Society)**New Standard**

BSR/AWS F3.2M/F3.2-2001, Ventilation Guide for Weld Fume (new standard)

This document introduces the reader to various types of ventilation systems, including general supply and exhaust and local exhaust, for control of weld fumes. It contains or refers to information on air contaminants found in welding fumes, principles of system design and selection, and drawings that illustrate ventilation techniques.

Single copy price: \$34.00

Obtain an electronic copy from: steveh@aws.org

Order from: Stephen Hedrick, (305) 443-9353, steveh@aws.org

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

CTA (Consumer Technology Association)**New Standard**

BSR/CTA/NSF 2052.2-201x, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)

This voluntary standard defines the methodology of measuring elemental and derived parameters used in consumer technology devices and applications that evaluate sleep. The elemental and derived measures covered within this standard are contained within ANSI/CTA 2052.1, Definitions and Characteristics for Wearable Sleep Monitors.

Single copy price: \$64.00

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

ISA (International Society of Automation)**Revision**

BSR/ISA 95.00.04-201x, Object model attributes for manufacturing operations management integration (revision of ANSI/ISA 95.00.04-2012)

Defines the object models and attributes involved in data exchange between activities of manufacturing operations management defined in ANSI/ISA 95.00.03.

Single copy price: \$99.00 usd

Obtain an electronic copy from: crobinson@isa.org

Order from: Charles Robinson, (919) 990-9213, crobinson@isa.org

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

ISA (International Society of Automation)**Revision**

BSR/ISA 95.00.02 (IEC 62264-2 Modified)-2010, Object model attributes (revision of ANSI/ISA 95.00.02 (IEC 62264-2 Modified)-201x)

Defines the details of the interface content between manufacturing control functions and other enterprise functions. The scope is limited to the definition of object models and attributes for the information defined in ANSI/ISA 95.00.01. The goal is to reduce the effort, cost, and errors associated with implementing these interfaces.

Single copy price: \$99.00 usd

Obtain an electronic copy from: crobinson@isa.org

Order from: Charles Robinson, (919) 990-9213, crobinson@isa.org

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

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)**Revision**

BSR/NAPIM 177.1-201x, Safety Standard - Three-roll printing ink mills (revision of ANSI/NAPIM 177.1-2007 (R2011))

The requirements of this standard apply to all three-roll mills used for the manufacturing of printing inks or similar materials used in the printing ink manufacturing industry. The purpose of this standard is to establish safety requirements with respect to safety controls, operating procedures, and design of three-roll mills used for the manufacturing of printing inks.

Single copy price: \$39.00

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: Same

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Revision

BSR/NAPIM 177.2-201x, Safety standard - Printing ink vertical post mixers (revision of ANSI/NAPIM 177.2-2006 (R2011))

The requirements of this standard apply to vertical post mixers designed to be used in the production and manufacturing of printing inks. The purpose of this standard is to establish safety requirements with respect to the design and operation of vertical post mixers for batches larger than 4 gallons or mixers over 3 HP.

Single copy price: \$39.00

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: Same

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 379-2013 (R201x), Standard for Safety for Power Units for Fountain, Swimming Pool, and Spa Luminaires (reaffirmation of ANSI/UL 379-2013)

This standard covers field-installed air-cooled transformers and dc output power supplies intended to supply fountain, swimming pool, and spa luminaires in accordance with Article 680 of the National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1082-201X, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances (Proposal dated 7-21-17) (revision of ANSI/UL 1082-2017)

This proposal contains the following revisions: (1) New and revised requirements for pressurized brewing.

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 1740-201x, Standard for Safety for Robots and Robotic Equipment (revision of ANSI/UL 1740-2007)

Revise the proposed fourth edition of the Standard for Robots and Robotic Equipment as a result of comments received.

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: Grace Roh, (919) 549-1389, Grace.Roh@ul.com

Comment Deadline: September 19, 2017

APPA (APPA - Leadership in Educational Facilities)

New Standard

BSR/APPA 1000-201x, Total Cost of Ownership (TCO) for Facilities Asset Management (new standard)

Establish a common framework for owners of facilities assets to identify and more effectively track and manage costs of a facility, building or supporting infrastructure or assets over the full life cycle, utilizing Total Cost of Ownership (TCO) principles. The common framework would forecast investment needs, and simplify data decision requirements by creating and utilizing a standard data set, for purposes of maintaining a financially sustainable future of all asset investments.

Single copy price: \$95.00

Obtain an electronic copy from: billie@appa.org

Order from: Billie Zidek, (703) 542-3846, billie@appa.org

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B17.1-1967 (R201x), Keys and Keyseats (reaffirmation of ANSI/ASME B17.1-1967 (R2013))

This Standard covers the size, type and tolerances of parallel and taper keys and keyseats, and their relationship to shaft diameters and bore diameters. The sizes and tolerances contained in this standard are intended for single key applications only.

Single copy price: \$35.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B17.2-1967 (R201x), Woodruff Keys and Keyseats (reaffirmation of ANSI/ASME B17.2-1967 (R2013))

This standard covers nomenclature, definitions, identification number, dimensions, and tolerances of Woodruff Keys and Keyseats.

Single copy price: \$35.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/ASME B18.2.5M-2013 (R201x), Metric Flanged 12-Point Head Screws (reaffirmation of ANSI/ASME B18.2.5M-2013)

This Standard covers the complete dimensional and general data for coarse thread metric series 12-point flange screws.

Single copy price: \$30.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/ASME B18.3-2012 (R201x), Socket Cap, Shoulder, Set Screws, and Hex Keys (Inch Series) (reaffirmation of ANSI/ASME B18.3-2012)

This Standard covers complete general and dimensional data for various types of hexagon socket cap screws, shoulder screws, set screws, and hexagon keys.

Single copy price: \$75.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/ASME B18.6.3-2013 (R201x), Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.3-2013)

This Standard is intended to cover the complete general and dimensional data for the various types of slotted and recessed head machine screws, tapping screws, and metallic drive screws.

Single copy price: \$99.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/ASME B18.16.4-2008 (R201x), Serrated Hex Flange Locknuts 90,000 PSI (Inch Series) (reaffirmation of ANSI/ASME B18.16.4-2008 (R2013))

This Standard covers the general, dimensional, and mechanical performance requirements for low-strength carbon steel, case-hardened, regular and large serrated flange locknuts (inch series).

Single copy price: \$32.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/ASME B18.21.3-2008 (R201x), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21.3-2008 (R2013))

This Standard covers the dimensional and physical properties and methods of testing for double-coil helical spring lock washers for wood structures.

Single copy price: \$32.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/IEEE C62.92.2-201x, Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part II - Synchronous Generator Systems (new standard)

The scope of this document is to provide the basic factors and general considerations in selecting the class and means of neutral grounding for synchronous generator systems connected to electrical utility systems. It also provides the suggested methods and apparatus to be used to achieve the desired grounding. These guidelines apply to both large and small generators found in electrical utility systems. Definitions of grounding terms used in this guide can be found in IEEE Std C62.92.1.

Single copy price: \$58.00 (pdf); \$73.00 (print)

Order from: online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE 802.21-201x, Standard for Local and metropolitan area networks - Part 21: Media Independent Services Framework (revision of ANSI/IEEE 802.21-2009)

This standard defines an extensible IEEE 802® media access independent services framework (i.e., function and protocol) that enables the optimization of services including handover service when performed between heterogeneous IEEE 802 networks. It also facilitates these services when networking between IEEE 802 networks and Cellular networks.

Single copy price: \$262.00 (pdf); \$328.00 (print)

Order from: online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE C57.120-201x, Guide for Loss Evaluation of Distribution and Power Transformers and Reactors (revision of ANSI/IEEE C57.120-1991 (R2006))

This guide covers the economic loss evaluation of liquid-filled distribution and power transformers, dry-type distribution and power transformers, and reactors.

Single copy price: N/A

Order from: online: <http://standards.ieee.org/store>

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 486G-201x, Standard for Safety for Sealed Twist-On Connecting Devices (new standard)

The wire connectors covered by these requirements are intended for use with copper conductor in accordance with the installations covered by the National Electrical Code, NFPA 70; the Canadian Electrical Code, Part 1, C22.1; and NOM 001 SEDE, Standard for Electrical Installations. The requirements in this standard cover twist-on style spicing sealed wire connectors.

Single copy price: \$Contact the UL Sales Site for pricing and delivery options

Obtain an electronic copy from: www.shopulstandards.com

Order from: www.shopulstandards.com

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

Projects Withdrawn from Consideration

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

API (American Petroleum Institute)

BSR/API MPMS Ch. 14.4/GPA 8173, 2nd Edition-200x, Converting Mass of Natural Gas Liquids and Vapors to Equivalent Liquid Volumes (new standard)

Inquiries may be directed to Jennifer Jones, (202) 682-8073, jonesj@api.org

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

BSR/ASHRAE Standard 99-201x, Refrigeration Oil Description (revision of ANSI/ASHRAE Standard 99-2006)

UL (Underwriters Laboratories, Inc.)

BSR/UL 3400-201X, Standard for Additive Manufacturing Facility Safety Management (new standard)

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI HE75-201x, Human factors engineering - Design of medical devices (revision of ANSI/AAMI HE75-2009 (R2013))

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

BSR/CTA/NSF 2052.2-201x, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)

BSR/CTA/NSF 2052.3-201x, Performance Criteria and Testing Protocols for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: *Tori Serazi*

Phone: (973) 267-9700

Fax: (973) 267-9055

E-mail: tserazi@pumps.org

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of ANSI/HI 11.6-2012)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Charles Robinson*

Phone: (919) 990-9213

Fax: (919) 549-8288

E-mail: crobinson@isa.org

BSR/ISA 95.00.04-201x, Object model attributes for manufacturing operations management integration (revision of ANSI/ISA 95.00.04-2012)

BSR/ISA 95.00.02 (IEC 62264-2 Modified)-2010, Object model attributes (revision of ANSI/ISA 95.00.02 (IEC 62264-2 Modified)-201x)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Monica Leslie*

Phone: (734) 827-5643

Fax: (734) 827-7880

E-mail: mleslie@nsf.org

BSR/NSF 42-201x (i95r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Call for Members (ANS Consensus Bodies)

ASTM International Committee F33 on Detention and Correctional Facilities

ASTM International Committee F33 on Detention and Correctional Facilities (<https://www.astm.org/COMMITTEE/F33.htm>) is welcoming new members (in all interest groups) interested in contributing to the development of standards on:

- Test Method for Physical Assault on Lighting Fixtures for Detention and Correctional Facilities
- Test Methods for Woven Rod Doors and Barriers Used in Detention and Correctional Facilities
- Guide for Selection of Security Control Systems

If you are interested in joining Committee F33, please contact ASTM Staff Manager Joe Hugo at jhugo@astm.org, or visit the Membership area of the ASTM website (<https://www.astm.org/MEMBERSHIP/index.html>).

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.

ABYC (American Boat and Yacht Council)

New Standard

- * ANSI/ABYC S-31-2017, Environmental Consideration for Systems and Components Installed Onboard Boats (new standard): 7/12/2017

Revision

- * ANSI/ABYC A-32-2017, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32 2012): 7/11/2017
- * ANSI/ABYC E-30-2017, Electrical Propulsion Systems (revision and redesignation of ANSI/ABYC TE-30-2009): 7/12/2017
- * ANSI/ABYC H-31-2017, Seat Structures (revision of ANSI/ABYC H-31-2015): 7/11/2017
- * ANSI/ABYC P-23-2017, Mechanical Steering and Propulsion Controls for Jet Boats (revision of ANSI/ABYC P-23-2012): 7/12/2017
- * ANSI/ABYC S-30-2017, Outboard Engine and Related Equipment Weights (revision of ANSI/ABYC S-30-2012): 7/12/2017

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

- ANSI/ASA S3.4-2007 (R2017), Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2012)): 7/13/2017
- ANSI/ASA S3.5-1997 (R2017), Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2012)): 7/12/2017
- ANSI/ASA S3.37-1987 (R2017), Preferred Earhook Nozzle Thread for Postauricular Hearing Aids (reaffirmation of ANSI/ASA S3.37-1987 (R2012)): 7/12/2017
- ANSI/ASA S3.42-1992/Part 1 (R2017), Testing Hearing Aids with a Broadband Noise Signal (reaffirmation of ANSI/ASA S3.42-1992/Part 1 (R2012)): 7/12/2017

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

- ANSI/ASABE AD6489-3-2004 JUL2017, Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar (national adoption of ISO 6489-3:2004 with modifications and revision of ANSI/ASABE AD6489-3:2014): 7/13/2017

New Standard

- ANSI/ASABE S640 JUL2017, Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms) (new standard): 7/11/2017

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

Addenda

- ANSI/ASHRAE Addendum 161d-2017, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2013): 6/29/2017
- ANSI/ASHRAE Addendum 161d-2017a, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2013): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1ac-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2019

ANSI/ASHRAE/ICC/USGBC/IES 189.1ad-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1ae-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1am-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1au-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1av-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bh-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bi-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bi-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bl-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bo-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bp-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1br-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bs-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bv-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/ICC/USGBC/IES 189.1bz-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 6/29/2017

ANSI/ASHRAE/IES 90.1b-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ANSI/ASHRAE/IES 90.1c-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ANSI/ASHRAE/IES 90.1d-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ANSI/ASHRAE/IES 90.1e-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ANSI/ASHRAE/IES 90.1f-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ANSI/ASHRAE/IES 90.1j-2017, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/29/2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B89.6.2-1973 (R2017), Temperature and Humidity Environment for Dimensional Measurement (reaffirmation of ANSI/ASME B89.6.2-1973 (R2012)): 7/11/2017

ANSI/ASME PTC 19.22-2007 (R2017), Data Acquisition Systems (reaffirmation of ANSI/ASME PTC 19.22-2007 (R2012)): 7/12/2017

ASTM (ASTM International)

New Standard

ANSI/ASTM D2846-2017, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems (new standard): 7/1/2017

Reaffirmation

ANSI/ASTM D7618-2013 (R2017), Specification for Ethyl Tertiary-Butyl Ether (ETBE) for Blending with Aviation Spark-Ignition Engine Fuel (reaffirmation of ANSI/ASTM D7618-2013): 6/20/2017

Revision

ANSI/ASTM D7223-2017, Specification for Aviation Certification Turbine Fuel (revision of ANSI/ASTM D7223-2016): 7/1/2017

ANSI/ASTM E18-2017, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2015): 7/1/2017

ANSI/ASTM E970-2017, Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source (revision of ANSI/ASTM E970-2014): 7/1/2017

ANSI/ASTM E2816-2017, Test Methods for Fire Resistive Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2015): 7/1/2017

ANSI/ASTM F1965-2017, Test Method for Performance of Deck Ovens (revision of ANSI/ASTM F1965-2006 (R2010)): 6/20/2017

ANSI/ASTM F2474-2017, Test Method for Heat Gain to Space Performance of Commercial Kitchen Ventilation/Appliance Systems (revision of ANSI/ASTM F2474-2014): 6/20/2017

ANSI/ASTM F2479-2017a, Guide for Specification, Purchase, Installation and Maintenance of Poured-In-Place Playground Surfacing (revision of ANSI/ASTM F2479-2017): 6/20/2017

ANSI/ASTM F3077-2017, Specification for Eye Protectors for Womens Lacrosse (revision of ANSI/ASTM F3077-2014): 7/1/2017

AWS (American Welding Society)

New Standard

ANSI/AWS A5.18/A5.18M-2005 (R2017), Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (new standard): 7/11/2017

Reaffirmation

ANSI/AWS A5.6/A5.6M-2008 (R2017), Specification for Copper and Copper-Alloy Electrodes for Shielded Metal Arc Welding (reaffirmation of ANSI/AWS A5.6/A5.6M-2008): 7/11/2017

ANSI/AWS A5.7/A5.7M-2007 (R2017), Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes (reaffirmation of ANSI/AWS A5.7/A5.7M-2007): 7/11/2017

Revision

ANSI/AWS D1.3/D1.3M-2017, Structural Welding Code-Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2007): 7/12/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA B601-2017, Sodium Metabisulfite (revision of ANSI/AWWA B601-2011): 7/11/2017

CSA (CSA Group)

Revision

* ANSI Z21.73-2017, Standard for Portable Type Gas Camp Lights (same as CSA 11.1-20xx) (revision of ANSI Z21.73-2011): 7/13/2017

FCI (Fluid Controls Institute)

New Standard

ANSI/FCI 69-1-2017, Pressure Rating Standard for Steam Traps (new standard): 7/13/2017

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

Revision

ANSI C63.15-2017, Recommended Practice for the Immunity Measurement of Electrical and Electronic Equipment (revision of ANSI C63.15-2010): 7/13/2017

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 45.8-2016, Recommended Practice for Electrical Installations on Shipboard-Cable Systems (new standard): 7/13/2017

ANSI/IEEE 1855-2016, Standard for Fuzzy Markup Language (new standard): 7/13/2017

IES (Illuminating Engineering Society)**New Standard**

ANSI/IES RP-16-2017, Nomenclature and Definitions for Illuminating Engineering (new standard): 7/13/2017

Revision

ANSI/IES RP-7-17, Recommended Practice for Lighting Industrial Facilities (revision and redesignation of ANSI/IESNA RP-7-2012): 7/13/2017

NEMA (ASC C18) (National Electrical Manufacturers Association)**Revision**

- * ANSI C18.3M, Part 2-2017, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2011): 7/11/2017

NSF (NSF International)**Revision**

- * ANSI/NSF 50-2017 (i120r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 7/5/2017
- * ANSI/NSF 61-2017 (i135r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016): 7/7/2017
- * ANSI/NSF 61-2017 (i136r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016): 7/8/2017

TIA (Telecommunications Industry Association)**Revision**

ANSI/TIA 440-C-2017, Fiber Optic Terminology (revision and redesignation of ANSI/TIA 440-B-2004 (R2013)): 7/12/2017

ANSI/TIA 942-B-2017, Telecommunications - Infrastructure Standard for Data Centers (revision and redesignation of ANSI/TIA 942-A-2012): 7/12/2017

ANSI/TIA 4957.200-A-2017, Layer 2 Standard Specification for the Smart Utility Network (revision and redesignation of ANSI/TIA 4957.200-2013): 7/11/2017

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

ANSI/UL 2900-1-2017, Standard for Software Cybersecurity for Network- Connectable Products, Part 1: General Requirements (new standard): 7/5/2017

ANSI/UL 4730-2017, Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules (new standard): 7/14/2017

ANSI/UL 4730-2017a, Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules (new standard): 7/14/2017

Reaffirmation

ANSI/UL 1820-2004 (R2017), Standard for Safety for Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics (reaffirmation of ANSI/UL 1820-2004 (R2013)): 7/13/2017

ANSI/UL 1887-2004 (R2017), Standard for Safety for Fire Test of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics (reaffirmation of ANSI/UL 1887-2004 (R2013)): 7/13/2017

ANSI/UL 2344-2012 (R2017), Standard for Safety for Material Lifts (reaffirmation of ANSI/UL 2344-2012): 7/14/2017

Revision

ANSI/UL 1063-2017, Standard for Safety for Machine-Tool Wires and Cables (Proposal dated 6/2/17) (revision of ANSI/UL 1063-2012): 7/13/2017

ANSI/UL 1449-2017, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2016): 7/12/2017

ANSI/UL 1449-2017a, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2016): 7/12/2017

ANSI/UL 1449-2017b, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2016): 7/12/2017

* ANSI/UL 1563-2017, Standard for Safety for Electric Spas, Equipment Assemblies, and Associated Equipment (revision of ANSI/UL 1563-2016): 7/14/2017

ANSI/UL 1598c-2017, Standard for Safety for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2016): 7/12/2017

VITA (VMEbus International Trade Association (VITA))**Revision**

ANSI/VITA 65.0-2017, OpenVPX System Standard (revision and redesignation of ANSI/VITA 65-2012): 7/11/2017

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.

ANS (American Nuclear Society)

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E-mail: kmurdoch@ans.org

BSR/ANS 1-201x, Conduct of Critical Experiments (revision of ANSI/ANS 1-2000 (R2012))

Stakeholders: Stakeholders include any entity performing, reviewing, or funding critical experiments. National laboratories conducting critical experiments include LANL, SNL, and INL.

Project Need: It has been almost 20 years since the standard was revised and it needs to be refreshed. The references are mostly out of date and need to be updated and to see if additional references would be useful. Any comments submitted will be addressed. Definitions will be reviewed for completeness and consistency with current glossaries. Some of the ANS information external to the body of the standard has been changed in the Foreword and References. The format for the standard has been changed.

This standard provides criteria for the safe conduct of critical experiments. Such experiments study neutron behavior in a fission device which may be critical where the energy produced is insufficient to require auxiliary cooling and the power history is such that the inventory of long-lived fission product is insignificant.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

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E-mail: walsh@asabe.org

BSR/ASAE S401.3 MONYEAR-201x, Guidelines for Use of Thermal Insulation in Agricultural Buildings (revision of ANSI/ASAE S401.2-AUG93 (R2012))

Stakeholders: Materials manufacturers, insulation applicators, energy conservation consultants, government agencies.

Project Need: Update to include updated source materials and methods.

This Standard establishes guidelines for evaluating and specifying the type, amount, and manner of installation of thermal insulation in agricultural buildings. The scope includes consideration of burning characteristics, insulation values, and proper installation and protection of insulating materials.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: Mayra Santiago

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E-mail: ansibox@asme.org

BSR/ASME PTC 6.2-201x, Steam Turbines in Combined Cycles (revision of ANSI/ASME PTC 6.2-2011 (R2016))

Stakeholders: Users, manufacturers, designers, consultants, and government agencies associated industries that conduct performance tests of steam turbines.

Project Need: Revisions to the current Standard are needed as a result of technological changes.

This Code may be used for testing steam turbines in combined cycles with or without supplementary firing and in co-generation applications. Within these categories of combined and co-generation cycles, this Code is applicable to condensing and non-condensing steam turbines, to reheat and non-reheat steam turbines, and to induction/extraction steam turbines.

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW
Suite 500
Washington, DC 20005

Contact: Alexandra Blasgen

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BSR/ATIS 0600009-201x, RoHS-Compliant Plating Standard for Structural Metals, Bus Bars, and Fasteners (revision of ANSI ATIS 0600009-2007 (R2012))

Stakeholders: Communications industry.

Project Need: There is a need to update this Standard to correct some misspellings.

Prohibitions on the use of hexavalent chromium in sheet metal plating present an eco-design issue within a high impact on the US telecommunication industry. As the industry transitions to RoHS-compliant finishing, end-point specifications and quality standards are needed. This standard proposes text for specifying finishes, testing criteria and workmanship classifications.

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

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- * BSR/CTA/NSF 2052.3-201x, Performance Criteria and Testing Protocols for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)

Stakeholders: Consumer electronics industry, consumers, users, producers, manufacturers, retailers.

Project Need: To create a standard addressing performance criteria and testing protocols for features in sleep-tracking consumer-technology devices and applications.

This standard addresses performance criteria and testing protocols for features in sleep-tracking consumer-technology devices and applications.

DASMA (Door and Access Systems Manufacturers Association)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: *Christopher Johnson*

Fax: (216) 241-0105

E-mail: dasma@dasma.com

- * BSR/DASMA 103-201x, Standards for Counterbalance Systems on Sectional Garage Doors (new standard)

Stakeholders: Producers, users, general interest.

Project Need: Define performance-based and prescriptive-based methods of compliance for sectional door counterbalance system components under tension.

This standard defines performance-based and prescriptive-based methods of compliance for sectional door counterbalance system components under tension.

- * BSR/DASMA 110-201x, Standard for Lifting Cables for Sectional Type Doors (new standard)

Stakeholders: Producers, users, general interest.

Project Need: Defining minimum standards and performance specifications for lifting cables for section-type doors.

This standard defines the minimum standards and performance specifications for lifting cables for sectional type doors when used as an integral component of a counterbalance system. Counterbalance systems may be composed of torsion spring(s), extension spring(s), or counterweights.

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

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#514
Burleson, TX 76028-9219

Contact: *Bailey Squier*

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E-mail: bsquier@dmis.org

BSR/DMSC QIF 3.0 Part 1-2016 & BSR/DMSC QIF Part 2-2016, Quality Information Framework - v. 3.0 QIF Library information model and XML schema files (revision and redesignation of ANSI/QIF Part 1-2015 & ANSI/QIF Part 2-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, measurement planning, measurement execution, and results analysis.

Project Need: To provide effortless exchange of manufacturing measurement information among computer-aided quality processes using a standard format.

QIF Part 1 & 2 version 3.0 has the following new content. The QIF Working Group is focussing on enhancements to the library to support better traceability to typical CAD and PMI data. There is now a more advanced feature and characteristic ontology, including support for patter features, compound holes, assemblies, tables of tolerances, and various PMI display modes.

BSR/DMSC QIF 3.0 Part 3-2016, Quality Information Framework, Model Based Definition, information model and XML schema files 3.0 (revision and redesignation of ANSI/DMSC QIF Part 3-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, dimensional measurement planning, measurement execution, and results analysis.

Project Need: A complete and accurate 3D product definition with semantic PMI (Product Manufacturing Information) providing a cost-effective XML exchange with various conformance levels is needed to satisfy many CAD to Model Based Metrology use cases.

The scope is to create a set of XML schemas and documentation to facilitate the representation and exchange of 3D model based product definition including semantic PMI. QIF MBD includes: 3D Geometry & Topology representation, semantic PMI representation, and metrological features and characteristic representation.

BSR/DMSC QIF 3.0 Part 4-2016, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information; Part 4: QIF Plans Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/DMSC QIF Part 4-2014)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, dimensional measurement planning, measurement execution, and results analysis.

Project Need: Effortless transfer of measurement planning data from any user's software or data base to any vendor's planning or execution software.

QIF Part 4 version 2.1 has the following new content. Support needs implemented in QIF v. 3.0.

BSR/DMSC QIF 3.0 Part 5-2016, Quality Information Framework - QIF-Resources information model and XML Schema files v. 3.0 (revision and redesignation of ANSI/DMSC QIF Part 5-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, dimensional measurement planning, measurement execution, and results analysis.

Project Need: Effortless transfer of measurement resources data any user's software or data base to any vendor's planning software.

QIF Part 5 version 3.0 has the following new content. Support needs implemented in QIF 3.0.

BSR/DMSC QIF 3.0 Part 6-2016, Quality Information Framework (QIF)
- Part 6: QIF Rules Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/DMSC QIF Part 6-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, dimensional measurement planning, measurement execution, and results analysis.

Project Need: Effortless transfer of measurement rules data to any vendor's planning application.

QIF Part 6 version 3.0 has the following new content: Dimensional and defect measurement equipment selection rule types; coordinate measurement strategies; and feature fitting algorithm selection based on feature types, dimensional and geometric characteristics, and the part sizes.

BSR/DMSC QIF 3.0 Part 7-2016, Quality Information Framework (QIF)
- Part 7: QIF Results Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/QIF Part 7-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, dimensional measurement planning, measurement execution, and results analysis.

Project Need: Effortless transfer of measurement results data from any vendor's dimensional measurement equipment to analysis applications.

QIF Part 7 version 3.0 has the following new content: Support needs implemented in QIF 3.0.

BSR/DMSC QIF 3.0 Part 8-2016, Quality Information Framework
Statistics v.3.0 (revision and redesignation of ANSI/DMSC QIF Part 8-2015)

Stakeholders: Every manufacturing industry that uses computer-aided quality systems for product design, measurement planning, measurement execution, and results analysis.

Project Need: Effortless transfer of measurement results data from any vendor's dimensional measurement equipment to analysis applications.

XML format for quality measurement statistical data of dimensional and non-dimensional entities, including numerical and non-numerical quantities. QIF Statistics includes references to raw measurement results, traceability, plans, and model information. Includes summary statistical values (capability, standard deviation, maximum, minimum, etc.), description of the control and sampling plan, corrective action plan against multiple quality study types (Capability, Production, Gage R&R, etc.).

NFPA (National Fire Protection Association)

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Quincy, MA 02169

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BSR/NFPA 25-201x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This code shall apply to the storage, handling, transportation, and use of liquefied petroleum gas (LP-Gas).

BSR/NFPA 58-201x, Liquefied Petroleum Gas Code (revision of ANSI/NFPA 58-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This code shall apply to the storage, handling, transportation, and use of liquefied petroleum gas (LP-Gas).

BSR/NFPA 61-201x, Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities (revision of ANSI/NFPA 61-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This standard provides requirements applicable to agricultural and/or food processing facilities for managing or mitigating fire and explosion hazards of combustible agricultural- or food-processing dusts or related particulate solids.

BSR/NFPA 70-201x, National Electrical Code® (revision of ANSI/NFPA 70-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

Covers installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; optical fiber cables and raceways for: (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings; (2) Yards, lots, parking lots, carnivals, and industrial substations; (3) Installations of conductors and equipment that connect to the supply of electricity; and (4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center.

BSR/NFPA 130-201x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This standard shall cover life safety from fire and fire protection requirements for fixed guideway transit and passenger rail systems, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems. Fixed guideway transit and passenger rail stations shall pertain to stations accommodating only passengers and employees of the fixed guideway transit and passenger rail systems and incidental occupancies in the stations. This standard establishes minimum requirements for each of the identified subsystems.

BSR/NFPA 502-201x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This standard provides fire protection and fire life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. This standard establishes minimum requirements for each of the identified facilities.

BSR/NFPA 555-201x, Guide on Methods for Evaluating Potential for Room Flashover (revision of ANSI/NFPA 555-2012)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

Methods for evaluating the potential for room flashover from fire involving the contents, furnishings, and interior finish of a room. The methods addressed are prevention of ignition; installation of automatic fire suppression systems; control of ventilation factors; and limitation of the heat release rate of individual and grouped room contents, furnishings, and interior finish.

BSR/NFPA 654-201x, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (revision of ANSI/NFPA 654-2012)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

This standard provides requirements for all phases of the manufacturing, processing, blending, conveying, repackaging, and handling of combustible particulate solids or hybrid mixtures, regardless of concentration or particle size, where the materials present a fire, a flash fire, or an explosion hazard. The owner/operator shall be responsible for implementing the requirements in this standard.

BSR/NFPA 780-201x, Lightning Protection Code (revision of ANSI/NFPA 780-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

Covers lightning protection requirements for ordinary buildings, miscellaneous structures and special occupancies, heavy-duty stacks, and structures containing flammable liquids and gases.

BSR/NFPA 1124-201x, Code for the Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles (revision of ANSI/NFPA 1124-2013)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts.

Project Need: Public interest and need.

Covers traditional lightning protection system installation requirements for the following: (1) Ordinary structures; (2) Miscellaneous structures and special occupancies; (3) Heavy-duty stacks; (4) Structures containing flammable vapors, flammable gases, or liquids that can give off flammable vapors; (5) Structures housing explosive materials; (6) Wind turbines; (7) Watercraft; (8) Airfield lighting circuits; and (9) Solar arrays. Address lightning protection of the structure but not the equipment or installation requirements for electric generating, transmission, and distribution systems except as given in Chapter 9 and Chapter 12.

SCTE (Society of Cable Telecommunications Engineers)

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Exton, PA 19341

Contact: Kim Cooney

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E-mail: kcooney@scte.org

BSR/SCTE 237-201x, Implementation Steps for Adaptive Power Systems Interface Specification (APSIS™) (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

SCTE 216 addresses the end-to-end network; therefore, an implementation of APSIS can touch back-office networks, backbone networks, transport networks, access networks, and customer-premise equipment. The primary focus of APSIS has been the access network including critical facilities and outside plant.

TCNA (ASC A108) (Tile Council of North America)

Office: 100 Clemson Research Blvd.
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Contact: Katelyn Simpson

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E-mail: KSimpson@tileusa.com

BSR A108.19-201x, Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar (revision of ANSI A108.19-2017)

Stakeholders: Ceramic/glass tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers, and consumers (user interest category); and affiliated industries (e.g., stone) and other general-interest users of this standard (general interest category).

Project Need: Stakeholders have suggested revisions to various sections of this standard.

This specification provides interior installation procedures and requirements for installing gauged porcelain tiles and gauged porcelain tile panels/slabs that meet ANSI A137.3 tables 4 and 5.

BSR A108.20-201x, Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (new standard)

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category); related material manufacturers (manufacturing interest category); distributors, retailers, and consumers (user interest category); and affiliated industries and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested that a new standard be created to address the exterior installation of gauged porcelain tile and gauged porcelain tile panels.

This standard will outline the guidelines for exterior installation of gauged porcelain tiles and gauged porcelain tile panels that meet ANSI A137.3 tables 4 and 5.

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Northbrook, IL 60062-2096

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E-mail: jeffrey.prusko@ul.com

BSR/UL 2258-201x, Standard for Safety for Nonmetallic Tanks for Oil-Burner Fuels and Other Combustible Liquids (new standard)

Stakeholders: Manufacturers of nonmetallic or composite primary tanks, secondary tanks, and open or closed secondary containments.

Project Need: To obtain national recognition of a standard covering nonmetallic or composite primary tanks, secondary tanks, and open or closed secondary containments from 227-2500 L (60-660 US gallons) intended primarily for the storage and supply of heating fuel for oil-burning equipment, or alternately for the storage of diesel fuels for compression ignition engines and motor oils (new and used) for automotive service stations, in aboveground applications.

These requirements cover nonmetallic or composite primary tanks, secondary tanks, and open or closed secondary containments from 227-2500 L (60-660 US gallons) intended primarily for the storage and supply of heating fuel for oil burning equipment, or alternately for the storage of diesel fuels for compression ignition engines and motor oils (new and used) for automotive service stations, in aboveground applications

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)
- AARST (The AARST Consortium on National Radon Standards)
- AGA (American Gas Association)
- AGSC-AGRSS (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)
- HI (Home Innovation)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>CTA Consumer Technology Association</p> <p>1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.cta.tech</p>	<p>IES Illuminating Engineering Society</p> <p>120 Wall St. 17th Floor New York, NY 10005 Phone: (212) 248-5000 Web: www.ies.org</p>
<p>ABYC American Boat and Yacht Council</p> <p>613 Third Street, Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org</p>	<p>ASPE American Society of Plumbing Engineers</p> <p>6400 Shafer Court Suite 350 Rosemont, IL 60018 Phone: (847) 296-0002 Fax: (847) 296-2963 Web: www.aspe.org</p>	<p>DASMA Door and Access Systems Manufacturers Association</p> <p>1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Fax: (216) 241-0105</p>	<p>ISA (Organization) International Society of Automation</p> <p>67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9213 Fax: (919) 549-8288 Web: www.isa.org</p>
<p>ANS American Nuclear Society</p> <p>555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>ASTM ASTM International</p> <p>100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>DMSC, Inc. Dimensional Metrology Standards Consortium, Inc.</p> <p>1350 SW Alsbury Blvd #514 Burleson, TX 76028-9219 Phone: (817) 461-1092 Fax: (682) 224-6201 Web: www.dmsc.org</p>	<p>NEBB National Environmental Balancing Bureau</p> <p>8575 Grovemont Circle Gaithersburg, MD 20877 Phone: (301) 977-3968 Fax: (301) 977-9589 Web: www.nebb.org</p>
<p>APPA APPA - Leadership in Educational Facilities</p> <p>1643 Prince Street Alexandria, VA 22314 Phone: (703) 542-3846 Fax: (703) 542-3798 Web: www.appa.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions</p> <p>1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: www.atis.org</p>	<p>FCI Fluid Controls Institute</p> <p>1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Fax: (216) 241-0105 Web: www.fluidcontrolsinstitute.org</p>	<p>NEMA (ASC C12) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3278 Fax: (703) 841-3367 Web: www.nema.org</p>
<p>ASA (ASC S3) Acoustical Society of America</p> <p>1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWS American Welding Society</p> <p>8669 NW 36 ST., #130 Miami, FL 33166 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>HI Hydraulic Institute</p> <p>6 Campus Drive Parsippany, NJ 07054 Phone: (973) 267-9700 Fax: (973) 267-9055 Web: www.pumps.org</p>	<p>NFPA National Fire Protection Association</p> <p>One Batterymarch Park Quincy, MA 02169 Phone: (617) 770-3000 Web: www.nfpa.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers</p> <p>2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>AWWA American Water Works Association</p> <p>6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers (IEEE)</p> <p>445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org</p>	<p>NPES (ASC CGATS) NPES</p> <p>1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: www.npes.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</p> <p>1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (678) 539-1214 Fax: (678) 539-2214 Web: www.ashrae.org</p>	<p>CSA CSA Group</p> <p>8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>IEEE (ASC C63) Institute of Electrical and Electronics Engineers</p> <p>445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331 Phone: 732-562-3817 Web: www.ieee.org</p>	<p>NSF NSF International</p> <p>789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-5643 Fax: (734) 827-7880 Web: www.nsf.org</p>

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TCNA (ASC A108)

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UL

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Web: www.ul.com

VITA

VMEbus International Trade
Association (VITA)

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Mesa, AZ 85210
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Web: www.vita.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); comments on IEC documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

Ordering Instructions

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

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 3740, Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards - 8/3/2017, \$98.00

ISO/DIS 13473-1, Characterization of pavement texture by use of surface profiles - Part 1: Determination of mean profile depth - 8/3/2017, \$112.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 81060-2, Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - 8/3/2017, \$112.00

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO/DIS 19432-1, Building construction machinery and equipment - Portable, hand-held, internal-combustion-engine-driven abrasive cutting machines - Part 1: Safety requirements for cut-off machines for centre-mounted rotating abrasive wheels - 8/6/2017, \$125.00

EARTH-MOVING MACHINERY (TC 127)

ISO 7135/DAmD1, Earth-moving machinery - Hydraulic excavators - Terminology and commercial specifications - Amendment 1 - 10/1/2017, \$29.00

FLOOR COVERINGS (TC 219)

ISO/DIS 24342, Resilient and textile floor-coverings - Determination of side length, edge straightness and squareness of tiles - 8/5/2017, \$53.00

GAS CYLINDERS (TC 58)

ISO 21172-1/DAmD1, Gas cylinders - Welded steel pressure drums up to 3 000 litres capacity for the transport of gases - Design and construction - Part 1: Capacities up to 1 000 litres - Amendment 1 - 10/1/2017, \$29.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 8178-6, Reciprocating internal combustion engines - Exhaust emission measurement - Part 6: Report of measuring results and test - 8/6/2017, \$82.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 16836, Non-destructive testing - Acoustic emission testing - Measurement method for acoustic emission signals in concrete - 8/6/2017, \$46.00

ISO/DIS 16837, Non-destructive testing - Acoustic emission inspection - Test method for damage qualification of reinforced concrete beams - 8/6/2017, \$40.00

ISO/DIS 16838, Non-destructive testing - Acoustic emission inspection - Test method for classification of active cracks in concrete structures - 8/6/2017, \$33.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 7590, Steel cord conveyor belts - Methods for the determination of total thickness and cover thickness - 10/1/2017, \$46.00

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

ISO/DIS 80000-3, Quantities and units - Part 3: Space and time - 8/6/2017, \$53.00

ISO/DIS 80000-8, Quantities and units - Part 8: Acoustics - 8/6/2017, \$53.00

ROAD VEHICLES (TC 22)

ISO/DIS 15037-1, Road vehicles - Vehicle dynamics test methods - Part 1: General conditions for passenger cars - 8/3/2017, \$82.00

SECURITY (TC 292)

ISO/DIS 22326, Security and resilience - Emergency management - Guidelines for monitoring facilities with identified hazards - 10/1/2017, \$58.00

ISO/DIS 22380, Security and resilience - Authenticity, integrity and trust for products and documents - General principles for product fraud risk - 10/1/2017, \$67.00

ISO/DIS 22395, Security and resilience - Community resilience - Guidelines for supporting community response to vulnerable people - 9/30/2017, \$53.00

STEEL (TC 17)

ISO/DIS 10893-6, Non-destructive testing of steel tubes - Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections - 10/1/2017, \$67.00

ISO/DIS 10893-7, Non-destructive testing of steel tubes - Part 7:
Digital radiographic testing of the weld seam of welded steel tubes
for the detection of imperfections - 10/2/2017, \$71.00

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

ISO/DIS 7176-30, Wheelchairs - Part 30: Wheelchairs for changing
occupant posture - test methods and requirements - 8/6/2017,
\$77.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 11795, Agricultural tractor drive wheel tyres - Explanation of
rolling circumference index (RCI) and speed radius index (SRI) and
method of measuring tyre rolling circumference - 8/3/2017, \$40.00

WATER QUALITY (TC 147)

ISO/DIS 11704, Water quality - Gross alpha and gross beta activity -
Test method using liquid scintillation counting - 8/5/2017, \$77.00

ISO/DIS 15681-2, Water quality - Determination of orthophosphate
and total phosphorus contents by flow analysis (FIA and CFA) - Part
2: Method by continuous flow analysis (CFA) - 8/3/2017, \$77.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29100/DAMd1, Information technology - Security techniques -
Privacy framework - Amendment 1: Clarifications - 8/5/2017, \$40.00

ISO/IEC DIS 23000-20, Information technology - Multimedia
application format (MPEG-A) - Part 20: Omnidirectional media
application format - 8/5/2017, \$107.00

IEC Standards

SMB/6204/QP, ISO/IEC Directives Part 1 - Consolidated JTC 1
Supplement 2017 - Procedures specific to JTC 1 (Technical Server
only), 2017/8/11

2/1871/CD, IEC TS 60034-27-5 ED1: Rotating electrical machines -
Part 27-5: Off-line partial discharge tests on winding insulation of
rotating electrical machines during repetitive impulse voltage
excitation, 2017/10/6

22H/219A/Q, Proposed technical corrigendum to IEC 62040-2 Ed.3:
Uninterruptible power systems - Part 2: Electromagnetic
compatibility (EMC) requirements, 2017/8/25

25/597/CDV, ISO 80000-3 ED1: Quantities and units - Part 3: Space
and time, 2017/10/6

25/598/CDV, ISO 80000-8 ED1: Quantities and units - Part 8:
Acoustics, 2017/10/6

35/1379/CD, IEC 60086-4 ED5: Primary batteries - Part 4: Safety of
lithium batteries, 017/9/8/

37B/159/NP, PNW 37B-159: Components for low-voltage surge
protection - Part 362: Selection and application principles for low-
voltage power system surge isolation transformers (SIT), 2017/10/6

37B/158/NP, PNW 37B-158: Components for low-voltage surge
protection - Part 361: Performance requirements and test methods
for low-voltage power system surge isolation transformers (SIT),
2017/10/6

38/548/CD, IEC 61869-1 ED2: Instrument transformers - Part 1:
General requirements, 2017/11/3

45B/876/FDIS, IEC 62957-1 ED1: Radiation protection instrumentation
- Semi-empirical method for performance evaluation of detection
and radionuclide identification - Part 1: Performance evaluation of
the instruments, featuring radionuclide identification in static mode,
2017/8/25

47D/894/NP, PNW 47D-894: Future IEC 60191-7: Mechanical
standardization of semiconductor devices - Part 7: Requirements to
design electronics devices using thermal characteristics of
semiconductor packages, 017/9/8/

47D/895/NP, PNW 47D-895: Future IEC 60191-8: Mechanical
standardization of semiconductor devices - Part 8: Requirements to
Semiconductor Devices Packaging Materials from the Environment
point of View - Low Cl and Br Molding Compound, 017/9/8/

47F/286/FDIS, IEC 62047-30 ED1: Semiconductor devices - Micro-
electromechanical devices - Part 30: Measurement methods of
electro-mechanical conversion characteristics of MEMS
piezoelectric thin film, 2017/8/25

55/1621/CD, IEC 60317-0-8 ED2: Specifications for particular types of
winding wires - Part 0-8: General requirements - Polyester glass
fibre wound, resin or varnish impregnated or not impregnated, bare
or enamelled rectangular copper wire, 017/9/8/

62A/1210/CD, IEC 60601-1-11/AMD1 ED2: Amendment 1 - Medical
electrical equipment - Part 1-11: General requirements for basic
safety and essential performance - Collateral Standard:
Requirements for medical electrical equipment and medical
electrical systems used in the home healthcare environment,
2017/10/6

62A/1204/CD, IEC 60601-1-6/AMD2 ED3: Amendment 2 - Medical
electrical equipment - Part 1-6: General requirements for basic
safety and essential performance - Collateral standard: Usability,
2017/10/6

62A/1206/CD, IEC 60601-1-8/AMD2 ED2: Amendment 2 - Medical
electrical equipment - Part 1-8: General requirements for basic
safety and essential performance - Collateral Standard: General
requirements, tests and guidance for alarm systems in medical
electrical equipment and medical electrical systems, 2017/10/6

62A/1200/CD, IEC 60601-1/AMD2 ED3: Medical electrical equipment -
Part 1: General requirements for basic safety and essential
performance, 2017/10/6

62A/1208/CD, IEC 60601-1-10/AMD2 ED1: Amendment 2 - Medical
electrical equipment - Part 1-10: General requirements for basic
safety and essential performance - Collateral Standard:
Requirements for the development of physiologic closed-loop
controllers, 2017/10/6

62A/1202/CD, IEC 60601-1-2/AMD1 ED4: Amendment 1 - Medical
electrical equipment - Part 1-2: General requirements for basic
safety and essential performance - Collateral Standard:
Electromagnetic disturbances - Requirements and tests, 2017/10/6

62D/1497/CDV, ISO 81060-2 ED3: Non-invasive
sphygmomanometers: Part 2: Clinical investigation of intermittent
automated measurement type, 2017/10/6

86B/4090/CD, IEC 61754-7-4 ED1: Fibre optic interconnecting devices
and passive components - Fibre optic connector interfaces - Part 7
-4: Type MPO connector family - One fibre rows 16 fibre wide,
2017/10/6

87/661/FDIS, IEC 62359/AMD1 ED2: Amendment 1 - Ultrasonics -
Field characterization - Test methods for the determination of
thermal and mechanical indices related to medical diagnostic
ultrasonic fields, 2017/8/25

100/2944/CDV, IEC 61937-2/AMD2 ED1: Digital audio - Interface for
non-linear PCM encoded audio bitstreams applying IEC 60958 -
Part 2: Burst-info (TA 4), 2017/10/6

100/2943/CDV, IEC 61937-13: Digital audio - Interface for non-linear
PCM encoded audio bitstreams applying IEC 60958 - Part 13:
MPEG-H 3D Audio (TA 4), 2017/10/6

110/888A/CD, IEC 62977-2-1 ED1: Electronic display devices - Part 2
-1: Measurements of optical characteristics- Fundamental
measurements, 017/9/8/

112/392/NP, PNW TS 112-392: Future IEC/TS 62836: Measurement
of internal electric field in insulating materials-pressure wave
propagation method, 2017/10/6

CIS/A/1216A/CD, CISPR 16-1-4/AMD3/FRAG2 ED3: Amendment 3 (f2) - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 017/9/8/

CIS/A/1221/CD, CISPR 16-1-6/AMD2 ED1: Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, 2017/10/6

SyCAAL/76/NP, PNW SYCAAL-76: Connected home environment - Functional safety, 017/9/8/



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

ACOUSTICS (TC 43)

[ISO 1996-2:2017](#), Acoustics - Description, measurement and assessment of environmental noise - Part 2: Determination of sound pressure levels, \$209.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 21872-1:2017](#), Microbiology of the food chain - Horizontal method for the determination of *Vibrio* spp. - Part 1: Detection of potentially enteropathogenic *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus*, \$162.00

AIR QUALITY (TC 146)

[ISO 28902-2:2017](#), Air quality - Environmental meteorology - Part 2: Ground-based remote sensing of wind by heterodyne pulsed Doppler lidar, \$185.00

ANALYSIS OF GASES (TC 158)

[ISO 6145-6:2017](#), Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 6: Critical flow orifices, \$162.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO 20275:2017](#), Financial services - Entity legal forms (ELF), \$45.00

BUILDING ENVIRONMENT DESIGN (TC 205)

[ISO 18566-1:2017](#), Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 1: Vocabulary, symbols, technical specifications and requirements, \$138.00

[ISO 18566-2:2017](#), Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 2: Determination of heating and cooling capacity of ceiling mounted radiant panels, \$103.00

[ISO 18566-3:2017](#), Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 3: Design of ceiling mounted radiant panels, \$103.00

[ISO 18566-4:2017](#), Building environment design - Design, test methods and control of hydronic radiant heating and cooling panel systems - Part 4: Control of ceiling mounted radiant heating and cooling panels, \$68.00

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

[ISO 14644-13:2017](#), Cleanrooms and associated controlled environments - Part 13: Cleaning of surfaces to achieve defined levels of cleanliness in terms of particle and chemical classifications, \$162.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

[ISO 28927-2/Amd1:2017](#), Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 11: Stone hammers - Amendment 1: Changes in Annex C - Brake devices, \$19.00

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

[ISO 19595:2017](#), Natural aggregates for concrete, \$103.00

FINE CERAMICS (TC 206)

[ISO 19630:2017](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods of test for reinforcements - Determination of tensile properties of filaments at ambient temperature, \$68.00

GAS CYLINDERS (TC 58)

[ISO 14246/Amd1:2017](#), Gas cylinders - Cylinder valves - Manufacturing tests and examinations - Amendment 1, \$19.00

[ISO 17879:2017](#), Gas cylinders - Self-closing cylinder valves - Specification and type testing, \$138.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 13655:2017](#), Graphic technology - Spectral measurement and colorimetric computation for graphic arts images, \$185.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 19213:2017](#), Implants for surgery - Test methods of material for use as a cortical bone model, \$103.00

MECHANICAL TESTING OF METALS (TC 164)

[ISO 15363:2017](#), Metallic materials - Tube ring hydraulic pressure test, \$68.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 13506-1:2017](#), Protective clothing against heat and flame - Part 1: Test method for complete garments - Measurement of transferred energy using an instrumented manikin, \$185.00

[ISO 13506-2:2017](#), Protective clothing against heat and flame - Part 2: Skin burn injury prediction - Calculation requirements and test cases, \$103.00

POWDER METALLURGY (TC 119)

[ISO 4496:2017](#), Metallic powders - Determination of acid-insoluble content in iron, copper, tin and bronze powders, \$45.00

REFRIGERATION (TC 86)

[ISO 14903:2017](#), Refrigerating systems and heat pumps - Qualification of tightness of components and joints, \$162.00

ROAD VEHICLES (TC 22)

[ISO 12156-2:2017](#), Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR) - Part 2: Limit, \$45.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 1431-3:2017](#), Rubber, vulcanized or thermoplastic - Resistance to ozone cracking - Part 3: Reference and alternative methods for determining the ozone concentration in laboratory test chambers, \$138.00

[ISO 19983:2017](#), Rubber - Determination of precision of test methods, \$138.00

SAFETY OF TOYS (TC 181)

[ISO 8124-4/Amd1:2017](#), Safety of toys - Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use - Amendment 1, \$19.00

TIMBER (TC 218)

[ISO 13061-1/Amd1:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 1: Determination of moisture content for physical and mechanical tests - Amendment 1, \$19.00

[ISO 13061-2/Amd1:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 2: Determination of density for physical and mechanical tests - Amendment 1, \$19.00

[ISO 13061-3/Amd1:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 3: Determination of ultimate strength in static bending - Amendment 1, \$19.00

[ISO 13061-4/Amd1:2017](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 4: Determination of modulus of elasticity in static bending - Amendment 1, \$19.00

TOURISM AND RELATED SERVICES (TC 228)

[ISO 13687-1:2017](#), Tourism and related services - Yacht harbours - Part 1: Minimum requirements for basic service level harbours, \$103.00

[ISO 13687-2:2017](#), Tourism and related services - Yacht harbours - Part 2: Minimum requirements for intermediate service level harbours, \$68.00

[ISO 13687-3:2017](#), Tourism and related services - Yacht harbours - Part 3: Minimum requirements for high service level harbours, \$68.00

TYRES, RIMS AND VALVES (TC 31)

[ISO 29802:2017](#), All-terrain (AT) tyres and rims - Symbol marked pneumatic tyres on 5 degree tapered rims - Designation, dimension, marking and load ratings, \$103.00

ISO Technical Reports**AIRCRAFT AND SPACE VEHICLES (TC 20)**

[ISO/TR 21891:2017](#), Aerospace electrical requirements - Sleeves and moulded shapes - Specifications for aircraft use, \$68.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

[ISO/TR 10993-22:2017](#), Biological evaluation of medical devices - Part 22: Guidance on nanomaterials, \$209.00

FACILITIES MANAGEMENT (TC 267)

[ISO/TR 41013:2017](#), Facility management - Scope, key concepts and benefits, \$68.00

GEARS (TC 60)

[ISO/TR 10064-1:2017](#), Code of inspection practice - Part 1: Measurement of cylindrical gear tooth flanks, \$232.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO/TR 14232-2:2017](#), Thermal spraying - Powders - Part 2: Comparison of coating performance and spray powder chemistry, \$162.00

ISO Technical Specifications**DENTISTRY (TC 106)**

[ISO/TS 16506:2017](#), Dentistry - Polymer-based luting materials containing adhesive components, \$185.00

NANOTECHNOLOGIES (TC 229)

[ISO/TS 11888:2017](#), Nanotechnologies - Characterization of multiwall carbon nanotubes - Mesoscopic shape factors, \$103.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 10116:2017](#), Information technology - Security techniques - Modes of operation for an n-bit block cipher, \$185.00

IEC Standards**AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)**

[IEC 63029 Ed. 1.0 en:2017](#), Audio, video multimedia systems and equipment - Multimedia e-publishing and e-book technologies - Raster-graphics image-based e-books, \$117.00

[IEC 62481-5 Ed. 2.0 en:2017](#), Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 5: Device Profiles, \$235.00

[IEC 62608-2 Ed. 1.0 en:2017](#), Multimedia home network configuration - Basic reference model - Part 2: Operational model, \$117.00

[IEC 62481-1-2 Ed. 1.0 en:2017](#), Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 1-2: Architecture and protocols - Extended Digital Media Renderer, \$117.00

DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

[IEC 62569-1 Ed. 1.0 en:2017](#), Generic specification of information on products by properties - Part 1: Principles and methods, \$235.00

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 111)

[IEC 62321-4 Ed. 1.1 b:2017](#), Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS, \$264.00

[IEC 62321-4 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS, \$12.00

INSTRUMENT TRANSFORMERS (TC 38)

[IEC 61869-6 Ed. 1.0 b:2016](#), Instrument transformers - Part 6: Additional general requirements for low-power instrument transformers, \$352.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 61347-2-11 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, \$12.00

[IEC 61347-2-11 Ed. 1.1 b:2017](#), Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, \$47.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 61097-12 Amd.1 Ed. 1.0 b:2017](#), Amendment 1 - Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and required test results, \$12.00

[IEC 61097-12 Ed. 1.1 b:2017](#), Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and required test results, \$322.00

POWER ELECTRONICS (TC 22)

[IEC 62927 Ed. 1.0 en:2017](#), Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) - Electrical testing, \$235.00

[IEC 62040-1 Ed. 2.0 b:2017](#), Uninterruptible power systems (UPS) - Part 1: Safety requirements, \$352.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-85 Ed. 2.2 b:2017](#), Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers, \$141.00

[IEC 60335-2-85 Amd.2 Ed. 2.0 b:2017](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers, \$12.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

[IEC 62271-1 Ed. 2.0 b:2017](#), High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear, \$387.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

[IEC 62683-1 Ed. 1.0 b:2017](#), Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data, \$387.00

IEC Technical Reports**FIBRE OPTICS (TC 86)**

[IEC/TR 62316 Ed. 3.0 en:2017](#), Guidance for the interpretation of OTDR backscattering traces for single-mode fibres, \$164.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC/TR 62679-5-1 Ed. 1.0 en:2017](#), Electronic paper displays - Part 5 -1: Legibility of EPD in spatial frequency, \$117.00

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

[IEC/TR 62396-6 Ed. 1.0 en:2017](#), Process management for avionics - Atmospheric radiation effects - Part 6: Extreme space weather - Potential impact on the avionics environment and electronics, \$117.00

[IEC/TR 62396-7 Ed. 1.0 en:2017](#), Process management for avionics - Atmospheric radiation effects - Part 7: Management of single event effects (SEE) analysis process in avionics design, \$117.00

IEC Technical Specifications**INSULATION CO-ORDINATION FOR LOW-VOLTAGE EQUIPMENT (TC 109)**

[IEC/TS 62993 Ed. 1.0 en:2017](#), Guidance for determination of clearances, creepage distances and requirements for solid insulation for equipment with a rated voltage above 1 000 V AC and 1 500 V DC, and up to 2 000 V AC and 3 000 V DC, \$199.00

(TC 120)

[IEC/TS 62933-5-1 Ed. 1.0 en:2017](#), Electrical energy storage (EES) systems - Part 5-1: Safety considerations for grid-integrated EES systems - General specification, \$317.00

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 notified 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 notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Illuminating Engineering Society (IES)

The reaccreditation of the Illuminating Engineering Society (IES), an ANSI member and Accredited Standards Developer (ASD) has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating policies and procedures for documenting consensus on IES-sponsored American National Standards, effective July 19, 2017. For additional information, please contact: Ms. Patricia McGillicuddy, Manager of Standards Development, Illuminating Engineering Society, 120 Wall Street, 17th Floor, New York, NY 10005; phone: 212.248.5000, ext. 123; e-mail: pmcgillicuddy@ies.org.

National Fire Protection Association (NFPA)

The reaccreditation of the National Fire Protection Association (NFPA), an ANSI member and Accredited Standards Developer (ASD) has been approved at the direction of ANSI's Executive Standards Council, under its recently revised Regulations Governing the Development of NFPA Standards for documenting consensus on NFPA-sponsored American National Standards, effective July 19, 2017. For additional information, please contact: Ms. Linda Fuller, Sr. Manager, Standards Operations, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471; phone: 617.984.7248; e-mail: lfuller@nfpa.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 256 – Pigments, dyestuffs and extenders

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 256 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 256 operates under the following scope:

- Standardization in the field of colouring materials, i.e. pigments, extenders and dyestuffs, including terminology, product specifications and test methods.

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

Establishment of ISO Project Committee

ISO/PC 311 – Vulnerable consumers

A new ISO Project Committee, ISO/PC 311 – Vulnerable consumers, has been formed. The Secretariat has been assigned to the United Kingdom (BSI).

ISO/PC 311 operates under the following scope:

- Standardization in the field of vulnerable consumers

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

ISO Proposal for a New Field of ISO Technical Activity

Social Responsibility

Comment Deadline: August 25, 2017

SIS, the ISO member body for Sweden, has submitted to ISO a proposal for a new field of ISO technical activity on Social Responsibility, with the following scope statement:

Standardization in the field of social responsibility, as defined in ISO 26000:

Social responsibility

responsibility of an organization for the impacts of its decisions and activities on society and the environment, through transparent and ethical behavior that

- contributes to sustainable development, including health and the welfare of society;
- takes into account the expectations of stakeholders;
- is in compliance with applicable law and consistent with international norms of behavior; and
- is integrated throughout the organization and practiced in its relationships.

Excluded: areas that are dealt with by other technical committees

NOTE: This TC will only develop ISO deliverables in areas that are outside the scope of other existing ISO Technical Committees. Therefore, the main focus areas are general methods for social responsibility management, Human Rights, Fair Operating Practices, Consumer issues, Sustainable Consumption, and Community Involvement and Development.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 25, 2017.

Information Concerning International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 190 – *Soil quality*

Reply Deadline: August 4, 2017

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Netherlands (NEN), the ISO delegated Secretariat of ISO/TC 190, wishes to relinquish the role of the Secretariat.

ISO/TC 190 operates under the following scope:

Standardization in the field of soil quality

- *Soils in situ;*
- *Soil materials intended for reuse in or on soils, including dredged sub-aquatic soil materials (= excavated sediments).*

Excluded:

- *Threshold or limit values for the assessment of soil quality;*
- *Civil engineering aspects (are dealt with by ISO/ TC 182 "Geotechnics");*
- *In situ sediments (are dealt with by ISO/TC 147 "Water quality").*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 190. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. The affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. The relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

Information concerning the United States acquiring the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

Please note: Only changes in redline are available for comment at this time.



WQA/ASPE S-802 (2017): Sustainable Media Products for Water Treatment

Third Public Review Draft

July 6, 2017

1 Scope

1.1 Included Product Types

~~1.1.1~~ The scope of this standard is limited to the following treatment media product types (or blends thereof) commonly utilized in water treatment:

- A. Activated carbon
- B. Ion exchange resin
 - 1. Cation resins (polybenzyl sulfonates)
 - 2. Anion resins (polybenzyl aminates)
 - 3. Acrylic-based ion exchange resin

~~1.1.2~~ The media covered within the scope of this standard are most commonly utilized for the treatment of water meant for human consumption (e.g. drinking, or food preparation). However, the scope of this standard also encompasses media for use in water treatment applications which have water quality needs similar to drinking or potable water (e.g. recreational/bathing water and industrial process applications).

~~1.1.3~~ The above product types are covered by this standard for any of the following end-use applications:

- ~~A. Point of Use (POU) systems/products~~
- ~~B. Point of Entry (POE) systems~~
- ~~C. Commercial/Industrial systems~~
- ~~D. Municipal Supply~~

1.2 Excluded Product Types

The following product types are excluded from the scope of this standard:

- a. Titanium dioxide ion exchange media
- b. Zeolite based ion exchange media
- c. Filter cartridges which are components of systems, such as those containing carbon blocks, GAC, or mixed media cartridges (which may include ion exchange media as well as carbon) are excluded from this standard but are covered as a component certification under WQA S-803: Sustainable Drinking Water Treatment Systems.



Document Number: BSR/HI 11.6-201x
 Document Title: *Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical, and Electrical Acceptance Tests*

Date Open:

Date Closed:

Sponsor and Publisher:

Hydraulic Institute

Contact:

Tori Serazi tserazi@pumps.org

Proposed substantive edits to SVR draft that closed on May 17, 2017

Based on the committee review of comments to SVR draft that closed on May 17, 2017, the following edits have been made.

Proposed default acceptance grade change to SVR draft with blue underlined text added and ~~red-stricken through~~ text being deleted:

Table 11.6.5.4.3 — Default acceptance grade

Application	Driver rated power	
	>10 to 100 kW (13 to 134 hp)	>100 kW (>134 hp)
Municipal Water	4U	4U
Municipal Wastewater	4U	4U
<u>Municipal Water/Wastewater (permit regulated)</u>	<u>1U</u>	<u>1U</u>
<u>Municipal Water/Wastewater (non-permit regulated)</u>	<u>2B</u>	<u>1B</u>
Electric Power Industry	1B	1B
Cooling Tower	2B	2B
Portable Dewatering	3B	3B
Irrigation	3B	2B
Stormwater	2B	2B
All Other Applications Not Listed	3B	2B

NOTE: This table only applies to situations where the purchaser and manufacturer have agreed to a guarantee point, but no test acceptance grade has been specified.

Other specified duty points, including their tolerances, shall be per separate agreement between the manufacturer and purchaser. If other specified duty points are agreed on, but no tolerance is given for these points, then the default acceptance grade for these points shall be grade 3B.

A. NORMATIVE APPENDIX - RCX QUALIFICATIONS

This normative appendix is a part of this standard and is indispensable for the application of this standard.

The success of a Retro-Commissioning project is based upon the qualification, experience and talents of the RCx provider and the commissioning team. It is also dependent upon utilizing the correct technical processes and the appropriate testing tools and instruments. To ensure a successful project all RCx projects should include the following qualifications:

1. RCx Provider Qualification:

An RCx provider must have education, experience and qualifications required to achieve certification as a RCx provider.

In general, the RCx Team must have the following skills and experience:

- a. Project Management
- b. Project team supervision
- c. System Testing techniques and use of instrumentation
- d. System troubleshooting
- e. System analysis
- f. Energy and water conservation techniques
- g. Energy and water calculation procedures
- h. Working knowledge of Control systems and sequence strategies
- i. Capability to train operators
- j. Good communication skills

2. RCx Provider Certification:

The retro-commissioning provider must be a qualified individual who has demonstrated his capability by achieving a personal certification in Technical Retro- Commissioning of Existing Buildings such as NEBB RCx certification or similar certifications that are specific to Technical Retro-Commissioning. Providers with other general commissioning certifications that are not specific to Retro-Commissioning, that combine new building and existing building commissioning processes into one process, should not be considered as qualified individuals, because the commissioning process for new buildings and existing buildings are completely different processes.

3. RCx Team Member Qualification:

An effective RCx team must have individuals who are experienced and knowledgeable in the systems they are commissioning. It is the RCx provider's responsibility to lead, manage and supervise the RCx team. Expertise is normally required for the following fields:

- a. HVAC Systems

- b. HVAC Controls
- c. IEQ parameters
- d. Building Envelope
- e. Electrical Power Systems
- f. Lighting and Lighting Controls
- g. Plumbing Systems
- h. Landscape watering systems
- i. Any other specific systems included in the scope of work

4. RCx Test Instruments and Tools:

It is the RCx provider’s responsibility to own, supply and utilize the correct test instruments, of the correct accuracy and range and properly calibrated for testing system operability and performance. The following standard tool lists are intended to be a minimum requirement for Retro-Commissioning projects.

Discipline Function		RCx Required Instrumentation							NOTES	Calibration requirements
		RANGE		ACCURACY			RESOLUTION			
Air	Air Pressure	0 in wg to 10 in wg	2% ± 0.001 in wg	0.001 in wg < 1 in wg	0.01 in wg > 1 in wg				12 Months	
		0 Pa to 2500 Pa	2% ± 0.25 Pa	0.10 Pa < 250 Pa	10 Pa > 250 Pa					
	Air Velocity Instrument	50 fpm to 3900 fpm	± 5% ± 7 fpm	± 0.01 m/s	± 0.01 m/s			*1	12 Months	
		0.25 m/s to 20 m/s	± 5% ± 0.04 m/s							
	RVA - Air Velocity	50 fpm to 2500 fpm	± 2% ± 4 fpm	± 0.01 m/s	± 0.01 m/s			*1	12 Months	
Direct Reading Hood	0.25 m/s to 12.7 m/s	± 2% ± 0.02 m/s	± 0.01 m/s	± 0.01 m/s				12 Months		
	100 cfm to 2000 cfm	± 5% of reading ± 7 cfm	1 cfm	1 cfm	No Analog Hood					
Temperature	Air Meter	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months		
		-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C					
	Air Probe	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months		
		-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C					
	Immersion Meter	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months		
		-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C					
	Immersion Probe	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months		
		-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C					
Contact Meter	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months			
	-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C						
Contact Probe	-20 °F to 240 °F	± 0.5% ± 2.0 °F	0.1 °F	0.1 °F			12 Months			
	-30 °C to 120 °C	± 0.5% ± 1.0 °C	0.1 °C	0.1 °C						
Humidity	Humidity Probe	10 % RH to 90 % RH	3% of reading	1%			12 Months			
Electrical	Voltage Measurement	0 VAC to 600 VAC	2% of reading ± 5 digits	1 Volt			12 Months			
		0 Amperes to 100 Amperes	2% of reading ± 5 digits	0.1 Ampere						
Rotation	Rotation Measurement	60 rpm to 5000 rpm	2% of reading ± 2 rpm	1 rpm			12 Months			
Electrical	Voltage Measurement	0 VAC to 600 VAC	2% of reading ± 5 digits	1 Volt			12 Months			
		0 Amperes to 100 Amperes	2% of reading ± 5 digits	0.1 Ampere						
Rotation	Rotation Measurement	60 rpm to 5000 rpm	2% of reading ± 2 rpm	1 rpm			12 Months			
Hydronic	Pressure Measurement	-30 in Hg to 200 psi	2% of reading ± 1 psi	0.01 psi			12 Months			
		-760 mm Hg to 1400 kPa	2% of reading ± 7 kPa	0.1 kPa						
	Δ Pressure measurement	0 psi to 80 psi	2% of reading ± 1 psi	0.01 psi			12 Months			
Camera	Digital Photography	0 kPa to 550 kPa	2% of reading ± 7 kPa	0.1 kPa			Per Manufacturer's Requirements			
				4.0 megapixels						

Discipline Function		RCx Required Instrumentation				NOTES	Calibration requirements
		RANGE	ACCURACY	RESOLUTION			
Additional BSC Electrical	Receptacle Circuit Tester	125 VAC to 1000 VAC	Not Applicable	Not Applicable		*2	Not Required
	Voltage Detector	0 FC to 4000 FC	± 3% + 5% full scale	0.1 FC			Not Required
	Light Level Measurement	0 lx to 40000 lx	± 3% + 5% full scale	1.0 lx			Per Manufacturer's Requirements
Additional Cx Envelope	Δ Temp Documentation Thermal Camera	-4 °F to 450 °F	± 2% or 3.6 °F	0.1 @ 86 °F & 160 x 120	*3	Per Manufacturer's Requirements	
		-20 °C to 232 °C	± 2% or -15.7 °C	0.1 @ 30 °C & 160 x 120			
Data Loggers	Carbon Dioxide CO2	0 ppm to 2500 ppm	± 5 ppm	1 ppm	Qty = 1	Per Manufacturer's Requirements	
	Carbon Monoxide CO	0 ppm to 1000 ppm	± 5 ppm	1 ppm	Qty = 1	Per Manufacturer's Requirements	
	Lighting Levels	0 FC to 3000 FC	± 10 FC	2 FC	Qty = 1	See Note 9	
		0 lx to 30000 lx	± 100 FC	0 lx			
	Electrical	0 VAC to 600 VAC	0 2% of reading	1.0 VAC	Qty = 2	See Note 9	
		0 Amperes to 100 Amperes	0 4% of reading	0.1 Ampere			
	Static Pressure - Low	0 in wc to 0.25 in wc	± 1% full scale	0.01 in wc < 1 in wc	Qty = 1	See Note 9	
		0 Pa to 60 Pa	± 1% full scale	0.1 in wc > 1 in wc 2.5 Pa < 250 Pa 25 Pa > 250 Pa			
	Static Pressure - High	0 in wc to 6.00 in wc	± 1% full scale	0.01 in wc < 1 in wc	Qty = 1	See Note 9	
		0 pa to 1500 Pa	± 1% full scale	0.1 in wc > 1 in wc 2.5 Pa < 250 Pa 25 Pa > 250 Pa			
	Water Pressure	0 psi to 100 psi	± 1% of reading	1.0 psi	Qty = 1	See Note 9	
		0 kPa to 700 kPa	± 1% of reading	0.1 kPa			
Temperature	-4 °F to 150 °F	± 5 °F @ 77 °F	0.1 °F	Qty = 8	See Note 9		
	-20 °C to 65 °C	± 1% of reading	0.1 °C				
Humidity	10 % RH to 90 % RH	± 2% RH	1% RH	Qty = 8	See Note 9		
Event	Not Applicable	Not Applicable	Not Applicable	Qty = 2	Not required		
RCx Instruments	Thermal Infrared Thermometer	-4 °F to 500 °F	± 2%	0.1 °F		Per Manufacturer's Requirements	
		-20 °C to 260 °C	± 2%	0.1 °C			
	TDS Meter	0 µ to 1000 µ	± 2% full scale	1.0%		Per Manufacturer's Requirements	
0 ppm to 5000 ppm		± 2% full scale					

NOTES	
*1	BET: Only RVA or AV Instrument Required
*2	Required RCx, Option for Cx-Electrical
*3	Required RCx, Option for Cx-Envelope
*4	Required sound, Option for Cx-Special Electrical
*5	CPT Option - choose only Option 1 OR Option 2 - along with required instrument for CPT certification (All instruments in any of the chosen is required)
*6	FHT Orifice Calibrator - Choose only one
*7	Firms MUST OWN instrumentation for sound certification and Special Electrical Cx only
*8	Firms may own or rent vibration equipment instrumentation for vibration certification.
*9	Instrument and the data logger. If a data logger is out of calibration and cannot be adjusted, the logger must be sent back to the factory for re-calibration or be replaced
General Note:	Some local jurisdictions require qualified electrician for any readings
Calibration Requirement	All instrumentation for firms in the US, which have a NEBB calibration requirement must have a minimum three (3) point NIST Traceable Calibration. Note: National Metrology Institutes (NMI) exists in many countries maintaining primary measurements of standards; such as NPL in the UK, NIST in the United States, PTB in Germany and many others which are approved for those regions.

Tracking number 42i95r1
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Revision to NSF/ANSI 42 – 2016
Issue 95 Revision 1 (July 2017)

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

NSF/ANSI Standard for Drinking Water Treatment Units – Aesthetic effects

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

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USEPA-600/4-79-020. *Methods for the Chemical Analysis of Water and Wastes*, March 1983¹

USEPA-600/4-84/053. *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, June 1984¹

USEPA-600/R-05/054. *Determination of Nitrosamines in Drinking Water By Solid Phase Extraction and Capillary Column Gas Chromatography With Large Volume Injection and Chemical Ionization Tandem Mass Spectrometry (MS/MS)*, September 2004⁵

USEPA-600/R-94/111. *Methods for the Determination of Metals in Environmental Samples*, Supplement 1, May 1994¹

USEPA-90/020. *Methods for the Determination of Organic Compounds in Drinking Water*, Supplement 1, July 1990¹

USEPA *Guidelines Establishing Test Procedures for the Analysis of Pollutants*, 40 CFR Part 136²

USEPA *National Primary Drinking Water Regulations*, 40 CFR Part 141²

USEPA *National Secondary Drinking Water Regulations*, 40 CFR Part 143²

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4 Materials

⁵ USEPA, Environmental Monitoring and Support Laboratory, Cincinnati, OH 45268 <www.epa.gov>.

⁶ Superintendent of Documents, U. S. Government Printing Office, Washington, DC 20402 <www.gpo.gov>.

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Table 4.2 – Extraction testing parameters (semi-volatiles)

Analyte	CAS number	TAC ¹ (mg/L)	Drinking water regulatory level (MCL/MAC) (mg/L)	Maximum reporting limit (RL) (mg/L)	Reference method(s)
2,4,6-Trichlorophenol	88-06-2	0.005		0.001	525.2, 528, 625
2,4-Dichlorophenol	120-83-2	0.003		0.001	525.2, 528, 625
2,4-Dimethylphenol	105-67-9	0.1		0.01	525.2, 528, 625
2,6-Di-tert-butyl-4-methoxyphenol	489-01-0	0.003		0.003	525.2, 528, 625
2-Methylnaphthalene	91-57-6	0.03		0.003	525.2, 528, 625
2-Nitrophenol	88-75-5	0.003*		0.001	525.2, 528, 625
2-Phenyl-2-propanol	617-94-7	0.05		0.005	525.2, 528, 625
3,3-Dichlorobenzidine	91-94-1	0.0008		0.001	525.2, 528, 625
3-and 4-Methylphenol, m&p-cresol	106-44-5 108-39-4	0.003*		0.001	525.2, 528, 625
4-Chloro-3-methylphenol	59-50-7	0.7		0.07	525.2, 528, 625
4-tert-Butylphenol or p-tert-Butylphenol	98-54-4	0.5		0.05	525.2, 528, 625
Acenaphthene	83-32-9	0.003*		0.004	525.2, 528, 625
Acenaphthylene	208-96-8	0.003		0.0004	525.2, 528, 625
Acetophenone	98-86-2	0.2		0.02	525.2, 528, 625
Anthracene	120-12-7	0.003*		0.0003	525.2, 528, 625
Benzo(a)pyrene	50-32-8		0.002	0.0002	525.2, 528, 625
Benzothiazole	95-16-9	0.003		0.003	525.2, 528, 625
Bis(2-ethylhexyl)adipate	103-23-1		0.4	0.04	525.2, 528, 625
Bis(2-ethylhexyl)phthalate	117-81-7		0.006	0.001	525.2, 528, 625
Butyl benzyl phthalate	85-68-7	1*		0.1	525.2, 528, 625
Chrysene	218-01-9	0.003*		0.003	525.2, 528, 625
Diethyl phthalate	84-66-2	6		0.6	525.2, 528, 625

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Table 4.2 – Extraction testing parameters (semi-volatiles)

Analyte	CAS number	TAC ¹ (mg/L)	Drinking water regulatory level (MCL/MAC) (mg/L)	Maximum reporting limit (RL) (mg/L)	Reference method(s)
Dimethyl phthalate	131-11-3	0.003		0.001	525.2, 528, 625
Di-n-butyl phthalate	84-74-2	0.7		.07	525.2, 528, 625
Fluoranthene	206-44-0	0.003		0.0003	525.2, 528, 625
Isophorone	78-59-1	0.4		0.04	525.2, 528, 625
Naphthalene	91-20-3	0.4		0.04	525.2, 528, 625
N-Nitroso-di-n-butylamine	924-16-3	0.00006		0.0006	521, 525.2, 528, 625
N-Nitroso-di-n-propylamine	621-64-7	0.00005		0.0005	521, 525.2, 528, 625
N-Nitrosodiphenylamine	86-30-6	0.07		0.007	521, 525.2, 528, 625
o-Cresol or 2-methylphenol	95-48-7	0.003*		0.001	525.2, 528, 625
Pentachlorophenol	87-86-5		0.001	0.0005	525.2, 528, 625
Phenanthrene	85-01-8	0.003		0.0003	525.2, 528, 625
Phenol	108-95-2	2		0.2	525.2, 528, 625
Phenyl sulfone	127-63-9	0.003*		0.002	525.2, 528, 625
Pyrene	129-00-0	0.003		0.0006	525.2, 528, 625

¹TAC values have been evaluated using qualitative or quantitative risk assessment methods. If contaminants extract above these levels, an evaluation in accordance of with Annex A of NSF/ANSI 61 may be used to determine a higher allowable level.

Reason: Replaced EPA Method 625 with EPA Method 521 reference for nitrosamines per 2017 DWTU JC discussion (May 10, 2017).

BSR/UL 586, Standard for High-Efficiency, Particulate, Air Filter Units

1. Revision to Replace Trade Name References with Chemical Name

6.3 The Efficiency and Resistance Tests, Section 7, and the Penetration Tests, Section 8, are to be conducted with the aerosol of ~~Henkel Corporation type Emery 3004~~ Poly-alpha-olefin (PAO) synthetic hydrocarbon with a viscosity of 4 centistokes or a suitable alternative.

7.1.3 In the penetrometer, air of controlled temperature and humidity is to be circulated through a heated container of liquid ~~Emery 3004~~ PAO or a suitable alternative at a rate controlled to produce a constant number of uniform aerosol particles, 0.3 micron in diameter, per unit volume. The resultant aerosol is to be blown through the filter unit under test and the density of the aerosol downstream of the filter is to be measured by a light beam-photocell combination. A comparison of the downstream density readings with the known aerosol density upstream of the filter unit then is to serve as the basis for calculating the efficiency of the filter unit.

8.2.3 A portable air-operated generator for producing an aerosol of ~~Emery 3004~~ PAO, or a suitable alternative, a forward light-scattering cell, and a percent penetration indicator are to be provided for making percent penetration determinations.

8.2.4 This generator is to consist of an unheated container of liquid ~~Emery 3004~~ PAO, or a suitable alternative and a set of aspirator nozzles connected to a building service air line.

2. Clarification of Testing Procedures for Heated Air Test and Spot Flame Test

8.4.2 Each sample (see 8.1.2) is to be installed in the test duct and subjected to the flow of heated air for 5 minutes. The average temperature of the heated air is to be $700 \pm 50^{\circ}\text{F}$ ($371 \pm 27^{\circ}\text{C}$), as measured at each of six points distributed equally across the filter face. No individual temperature measurement should be less than 600°F (316°C) or greater than 800°F (427°C). The rate of air flow as measured by the calibrated venturi flow meter is to be not less than 40 percent of the manufacturer's air-flow rating.

9.1 When tested as specified in 9.2 and 9.3, the upstream or downstream face of the filter shall not continue to flame more than 2 seconds after removal of the test flame.

9.3 The Bunsen burner flame then is to be directed into a top corner of the sample so that the tip of the blue cone contacts the frame, filter pack, ~~and sealing materials,~~ and edge of gasket or gelatinous seal. The flame is to be applied for 5 minutes. The test is to be repeated on the other top corner of the sample.

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

1. Clarification of the Testing Requirement for Materials Having Both V and 5V Flame Ratings with Respect to the Water Exposure and Immersion Test

58.1 Using standard test procedures, property values for the material are to be determined both before and after the conditioning described below:

- a) Specimens of the material shall be immersed in distilled or deionized water at $70 \pm 2^\circ\text{C}$ ($158 \pm 4^\circ\text{F}$) for 7 days. A complete change of water is to be made on each of the first 5 days. Following the water conditioning, those specimens that are to be subjected to physical-property tests are to be immersed in distilled or deionized water at $23 \pm 2^\circ\text{C}$ ($73 \pm 4^\circ\text{F}$) for 1/2 hour immediately prior to testing. Following the immersions, those specimens to be subjected to flammability tests are to be conditioned in air at $23 \pm 2^\circ\text{C}$ ($73 \pm 4^\circ\text{F}$) and 50 \pm 10 percent relative humidity for 2 weeks.

Exception: For materials classed 5VA or 5VB in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94 or materials that are evaluated by Enclosure Flammability - 5 inch Flame Test, Section 52, the specimens shall be immersed in distilled or deionized water at $82 \pm 2^\circ\text{C}$ ($180 \pm 4^\circ\text{F}$) rather than $70 \pm 2^\circ\text{C}$ at the minimum thickness having 5VA or 5VB classification. For the same material with other flame classifications, the specimens at the minimum thickness shall be immersed at either $70 \pm 2^\circ\text{C}$ or $82 \pm 2^\circ\text{C}$.

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BSR/UL 1026, Standard for Household Electric Cooking and Food Serving Appliances

1. New requirements for toaster oven racks

PROPOSAL

33 Protection Against Personal Injury

33.8 The racks of a toaster oven or toaster oven/broiler shall comply with the Oven Rack Loading Test, Section 54A.

54A Oven Rack Loading Test

54A.1 An oven rack shall not fall from its supports, the test weight shall not slide off the rack and the appliance shall not tip when tested per 54A.2 - 54A.5. Testing shall be performed with the appliance at ambient temperature except for 54A.4.

54A.2 The test is to be conducted using the pan supplied with the appliance. If a pan is not provided, a pan suitable for the appliance is to be used.

54A.3 With the oven rack in the lowest position and fully inserted in the toaster oven, the pan with the test weight of Table 54A.1 (evenly distributed on the pan) is placed on the center of the rack. The test weight includes the weight of the pan.

The rack is then pulled out over a period of approximately 2 seconds until contacting the rack stop. If a rack stop is not provided with the unit, the rack shall be pulled out to a distance measuring approximately 50 percent of the rack depth dimension, as measured from the inner plane of the opening where the rack exits the appliance. The rack is to remain fully extended for a period of 60 seconds. The test is repeated with the oven rack in all possible orientations and positions.

54A.4 The appliance is then to be operated at the maximum temperature setting for a minimum of 1 hour, with the oven racks in place, but without the test weight. The test of 54A.3 is then repeated. The appliance shall be allowed to recover to the initial temperature between each rack position or location test.

54A.5 Following the test in 54A.4 a sufficient cool-down period is to be allowed for the appliance to return to its ambient temperature. The test of 54A.3 is then repeated.

Table 54A.1**Test weight (including test pan)**

<u>Usable volume¹</u>	<u>Weight</u>
<u><= 500 cubic inches (8194 cubic centimeters)</u>	<u>4 lbs (1.8 kg)</u>
<u>> 500 cubic inches (8194 cubic centimeters)</u>	<u>8 lbs (3.6 kg)</u>

¹ For calculation of usable volume, usable height is from the top of the rack to the bottom of the upper heating element or other physical barrier below the upper heating element.

Exception: If provided in the instruction manual, the manufacturer's recommendations regarding spacing from the heating elements shall be followed when determining the usable height.

2. Revision of requirements for automatic toasters: clarification for secondary operating control**PROPOSAL**

22.18 A cord-connected automatic toaster shall be provided with a non-automatically resettable secondary supplemental operating control which shall ~~de-energize the heating elements of the toaster function~~ in the event of failure of the ~~primary operating control system~~ any circuit or component which de-energizes the heating elements at the end of normal operation. The secondary supplemental operating control shall consist of a ~~separate set of switch contacts that disconnect~~ include a switch, or fusible or other device, which physically disconnects the ungrounded conductor of the power supply independently of ~~all other the primary switch contacts in the ungrounded conductor of the power supply switching devices~~. The secondary supplemental operating control shall ~~operate function~~ no more than ~~30~~ 60 seconds after the maximum operation time as determined in 60.4.2.

Exception: A secondary supplemental operating control is not required if there is no ignition of the food load and no ignition of the indicator panel when tested as described in 55.2.5.2 except with all means for ~~de-energizing the~~ disconnecting any heating element defeated shunted out of the circuit. The unit shall operate in this condition for 30 minutes.

55.2.5.2 There shall be no ignition of either the food load, and no ignition of an or the indicator test panel as the result of flame from burning food when an automatic toaster is operated as described in 55.1.5 with all means for ~~de-energizing the~~ disconnecting any heating element defeated shunted out of the circuit except the secondary supplemental operating control described in 22.18. Throughout the test, the wattage described in 41.1.14 shall be maintained. Four conditions are to be tested, and each

condition is to be repeated on a second sample, for a total of eight tests. Separate samples may be used for each condition. The toaster is to be loaded initially for the first test with one slice of white bread and then to a maximum capacity for the second test. The third and fourth tests are to be the same as tests one and two, except using frosted toaster pastries in place of the white bread. The food load is to be located at the center of the bread slot and in an outside slot for a multiple-slot toaster when using single slice. The food load should be oriented with its long axis parallel to the direction of travel of the bread carriage. The bread carriage shall remain in the toasting position throughout the test. The white bread is to be commercially available white bread as described in 55.2.5.6, and the frosted toaster pastry is to be commercially available undamaged (whole) hard-frosted, strawberry fruit-filled toaster pastry. Each pastry shall weigh approximately 52 g, with a stated sugar content of $16 \text{ g} \pm 1 \text{ g}$, and a stated calorie amount of 200 ± 10 .

55.2.5.3 For the test described in 55.2.5.2 the test panel is to be that described in 55.2.4.4, and is to be supported 8 inches (203 mm) above and parallel to the top of the toaster. The toaster shall be placed on a heat resistant surface in a draft-free location, with a clearance of at least 12 inches around all sides of the toaster. For each cycle, if a supplemental operating control is provided, the time from energization of the toaster elements to when the ~~secondary~~ supplemental operating control disconnects the ungrounded conductor of the power supply shall be recorded.

Exception: For under-cabinet mounted toaster, the test panel shall be located on the surface directly above the toaster, with the closest spacing the mounting means will allow.

55.2.10.6 A single fault condition as described in 55.2.10.1 shall not result in a condition where both the ~~primary~~ normal and ~~secondary~~ supplemental operating controls fail to open the circuit.

60.4 Toaster secondary supplemental operating control operation time - Cord connected automatic toaster test

60.4.1 In reference to in 22.18, the times measured in 55.2.5.3 shall not be more than the maximum operation time as determined in 60.4.2 plus ~~30~~ 60 seconds.