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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: December 13, 2015

NSF (NSF International)

Revision

BSR/NSF 7-201x (i13r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014 (i11r1))

This Standard contains requirements for refrigerators and freezers used to store and/or display cold food. The types of refrigerators and freezers covered by this Standard include, but are not limited to: storage refrigerators (e.g., reach-in, under-counter, walk-in, roll-in); storage freezers (e.g., reach-in, under-counter, walk-in, roll-in); rapid pull-down refrigerators and freezers; refrigerated food transport cabinets; refrigerated buffet units; refrigerated food preparation units; display refrigerators; beverage coolers; and ice cream cabinets.

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

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 60-201x (i70r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2014a)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

NSF (NSF International)

Revision

BSR/NSF 60-201x (i71r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2014a)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

NSF (NSF International)

Revision

BSR/NSF 173-201x (i51r2), Dietary Supplements (revision of ANSI/NSF 173-2012)

This Standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin; a mineral; an herb or other botanical; an amino acid; a dietary substance for use by humans to supplement the diet by increasing the total dietary intake; or a concentrate, metabolite, constituent, extract, or combinations of these ingredients.

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

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i57r1), Dietary Supplements (revision of ANSI/NSF 173-2012)

This Standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin; a mineral; an herb or other botanical; an amino acid; a dietary substance for use by humans to supplement the diet by increasing the total dietary intake; or a concentrate, metabolite, constituent, extract, or combinations of these ingredients.

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

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 705-201x, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2011a)

(1) Addition of a new appendix to provide examples of controls intended to be used as operating or protective controls.

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

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

Comment Deadline: December 28, 2015

ABMA (ASC B3) (American Bearing Manufacturers Association)

Revision

BSR/ABMA/ISO 104-201x, Rolling bearings - Thrust bearings - Boundary dimensions, general plan (revision of ANSI/ABMA/ISO 104-1994 (S2010))

ISO 104:2015 specifies preferred boundary dimensions for single-direction and double-direction thrust bearings with flat back faces. In addition, it gives the minimum bore diameters of housing washers and maximum outside diameters of shaft washers of bearings in dimension series 11, 12, 13, 14, 22, 23, and 24. Guidelines for the extension of this International Standard for single-direction thrust bearings are given in Annex A. NOTE: Boundary dimensions for aligning thrust bearings (none flat back faces) and aligning seat washers are given in ISO 20516.

Single copy price: \$44.00

Obtain an electronic copy from: info@americanbearings.org

Order from: James Converse, (919) 481-2852, jconverse@americanbearings.org; jconverse1@nc.rr.com

Send comments (with copy to psa@ansi.org) to: James Converse, (919) 481-2852, jconverse@americanbearings.org; jconverse1@nc.rr.com

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

BSR/API MPMS Chapter 9.4, 1st edition-201x, Continuous Density Measurement Under Dynamic (Flowing) Conditions (new standard)

This standard covers the continuous/on-line determination and application of flowing liquid densities for custody transfer. This standard covers liquid and dense phase fluids including: natural gas liquids, refined products, chemicals, crude oil, and other liquid products commonly encountered in the petroleum industry. This document does not apply to the density measurement of natural gas; LNG; multiphase mixtures; semi-solid liquids, such as asphalt; and solids such as coke and slurries. This standard also provides criteria and procedures for designing, installing, operating, and proving continuous/on-line density measurement systems for custody transfer.

Single copy price: Free

Order from: Sally Goodson, (202) 682-8130, goodsons@api.org

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

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

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

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

Single copy price: \$25.00

Obtain an electronic copy from: Order electronic copy from this URL: <http://mycommittees.api.org/standards/cre/schte/default.aspx>

Order from: Nathaniel Wall, (202) 682-8157, walln@api.org

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

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

BSR/ASABE AD3918-2007 JAN2011 (R201x), Milking machine installations - Vocabulary (reaffirmation of ANSI/ASABE AD3918-2011)

Standard defines terms to use in research work, official regulations, design, manufacture, installation, and use of milking machines for cows, water buffaloes, sheep, goats, or other mammals used for milk production.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

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

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

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

BSR/ASABE AD6690-2007 JAN2011 (R201x), Milking machine installations - Mechanical tests (reaffirmation of ANSI/ASABE AD6690-2011)

Specifies mechanical tests for milking machine installations in order to verify compliance of an installation or component with the requirements of ISO 5707. Applicable for testing new installations and for periodic checking of installations for efficiency of operation.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

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

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

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

BSR/ASABE S596-2006 (R201x), Recycling Plastic Containers from Pesticides and Pesticide-Related Products (reaffirmation of ANSI/ASABE S596-2006 (R2011))

Guide agricultural chemical manufacturers, distributors, and applicators; plastic recyclers; and regulatory agencies in the effective handling, storage, disposal, and recycling of non-refillable, high-density polyethylene (HDPE) containers for agricultural pesticides and surfactants while enhancing safety.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

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

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

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

BSR/ASABE S618 DEC2010 (R201x), Post Frame Building System Nomenclature (reaffirmation of ANSI/ASABE S618-2010)

Nomenclature for all primary frame components (post types, trusses, headers, rafters, etc.), secondary framing components (girt types, purlin types, bracing, etc.), diaphragm and shear wall elements (fastener types, shear blocking, chords, wind frames, etc.), and foundation types (piers, poles, posts, walls, slabs, uplift mechanisms, etc.). Diagrams and designations would be included for different roof framing variations (post-truss, post-rafter, post-header-truss/rafter).

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

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

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

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

BSR/ASAE EP433 DEC1988 (R201x), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE EP433-SEP91 (R2011))

Methods of estimating the grain pressures within centrally loaded and unloaded bins used to store free-flowing, agricultural whole grain.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

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

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

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

New Standard

BSR/ASHRAE Standard 41.2P-201x, Standard Methods for Air Velocity and Airflow Measurement (new standard)

Standard 41.2P prescribes methods for air velocity and airflow measurement, including consideration of density effects.

Single copy price: \$35.00

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

Order from: Carmen King, (404) 636-8400, cking@ashrae.org

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

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

New Standard

BSR/ASHRAE Standard 110P-201x, Method of Testing Performance of Laboratory Fume Hoods (new standard)

The purpose of Standard 110P is to specify a quantitative and qualitative test method for evaluating fume containment of laboratory fume hoods.

Single copy price: \$35.00

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

Order from: Carmen King, (404) 636-8400, cking@ashrae.org

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

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

New Standard

BSR/ASHRAE Standard 199P-201x, Method of Testing the Performance of Industrial Pulse Cleaned Dust Collectors (new standard)

The purpose of ASHRAE Standard 199P is to provide a quantitative laboratory test method for determining the performance of Industrial Pulse Cleaned Dust Collectors using a test dust.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B30.3-20xx, Tower Cranes (revision of ANSI/ASME B30.3-2012)

B30.3 Volume applies to "construction tower cranes" and "permanently mounted tower cranes" that are powered by electric motors or internal combustion engines and that adjust their operating radius by means of a luffing boom mechanism, a trolley traversing a horizontal jib, or a combination of the two. The cranes may be mounted on "fixed bases" or "traveling bases" and may have tower and supporting structure arrangements that permit the crane to climb in a structure being built or that permits increasing the crane's tower height as the structure rises. Variations of the above physical characteristics that provide the same fundamental operating characteristics are included in the scope of this Volume; however, the requirements of this Volume are only applicable to the cranes within this scope when they are used in lifting operations.

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: Kathryn M. Hyam, hyamk@asme.org

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

Revision

BSR N42.43-201x, Draft Standard Performance Criteria for Mobile and Transportable Radiation Monitors Used for Homeland Security (revision of ANSI N42.43-2006)

This standard specifies the performance requirements and tests for transportable and mobile radiation monitors used for homeland security.

Single copy price: N/A

Obtain an electronic copy from: Sue Vogel, 732-562-3817, s.vogel@ieee.org

Order from: Sue Vogel, 732-562-3817, s.vogel@ieee.org

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

NSF (NSF International)

Revision

BSR/NSF 173-201x (i58r1), Dietary Supplements (revision of ANSI/NSF 173-2012)

This Standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin; a mineral; an herb or other botanical; an amino acid; a dietary substance for use by humans to supplement the diet by increasing the total dietary intake; or a concentrate, metabolite, constituent, extract, or combinations of these ingredients.

Single copy price: Free

Obtain an electronic copy from: 173i58r1-JC-Memo & Ballot.pdf

Order from: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

OPEI (Outdoor Power Equipment Institute)**Revision**

BSR/OPEI B71.9-201x, Multipurpose Off-Highway Utility Vehicles (revision of ANSI/OPEI B71.9-2012)

This standard establishes requirements for equipment, configuration, and performance of Multipurpose Off-Highway Utility Vehicles (MOHUVs). MOHUVs are vehicles having features specifically intended for utility use and having the following characteristics: (a) intended to transport a person(s) and/or cargo, with a top speed in excess of 25 mph (40.2 km/h); (b) 2030 mm (80 in) or less in overall width; (c) designed to travel on four or more wheels; (d) using a steering wheel for steering control; (e) with a non-straddle seat; (f) with a Gross Vehicle Weight Rating of no more than 1814 kg (4000 lb), and (g) a minimum cargo capacity of 159 kg (350 lb).

Single copy price: \$180.00

Order from: Greg Knott, (703) 549-7600, gknott@opei.org

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

PLASA (PLASA North America)**Reaffirmation**

BSR E1.3-2001 (R201x), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (reaffirmation of ANSI E1.3-2001 (R2010))

The standard describes a method of controlling current-sink devices and equipment by means of an analog control voltage in the nominal range from zero to 10 volts positive. It is primarily intended for theatrical lighting controllers and controlled devices (e.g., dimmers), but any device could use this control method. E1.3 controllers are current-source devices. The working group proposes to reaffirm the existing standard, which was previously reaffirmed in 2011.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

PLASA (PLASA North America)**Reaffirmation**

BSR E1.27-1-2006 (R201x), Entertainment Technology-Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-1-2006 (R2010))

This standard describes the types of portable cable for the transmission of digital data among products which comply with ANSI E1.11, Entertainment Technology - USITT DMX512-A. It covers recommended cable types, connectors and their internal wiring. The working group is proposing to reaffirm the 2006 version.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

PLASA (PLASA North America)**Reaffirmation**

BSR E1.30-1-2010 (R201x), EPI 23. Device Identification Subdevice (reaffirmation of ANSI E1.30-1-2010)

This document is part of BSR E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using ANSI E1.17. It specifies a templated device for device identification as typically used for remote hardware and software devices. The working group is proposing to reaffirm the 2010 version.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

PLASA (PLASA North America)**Withdrawal**

BSR E1.30-7-2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (withdrawal of ANSI E1.30-7-2009)

E1.30-7, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts, is a recipe that changes some of the rules for ACN (ANSI E1.17) so that devices with IP addresses not set by DHCP can be used on a network. The standard is being proposed for withdrawal on the grounds that much of the document was based around a protocol not adopted by the market, and that implementation for IP addressing is best dealt with by designers, not through the standardization of any particular method.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

ROHVA (Recreational Off-Highway Vehicle Association)**Revision**

BSR/ROHVA 1-201X, Standard for Recreational Off-Highway Vehicles (revision of ANSI/ROHVA 1-2014)

This standard establishes minimum requirements for recreational off-highway vehicles (ROVs). These vehicles are intended by the manufacturer for recreational use by one or more persons and may have secondary general utility applications. This standard addresses design, configuration and performance aspects of ROVs, including, among other items, requirements for accelerator, clutch and gearshift controls; engine controls; lighting; tires; service and parking brake/parking mechanism performance; lateral and pitch stability; occupant handholds; Roll Over Protective Structure (ROPS); Occupant Retention System (ORS); and requirements for safety labels and owner's manual.

Single copy price: \$60.00

Obtain an electronic copy from: www.ROHVA.org

Order from: Thomas Yager, (949) 255-2560, tyager@rohva.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 263 sp-201x, Identification of wood and fibers from conifers (new standard)

This method deals with the identification of wood from conifers and also permits determination of the coniferous origin of fibers in pulp and paper. The majority of the species described are found in the continental United States and Canada; however, several exotic species found in commercial channels are also included.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7277, standards@tappi.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 564 sp-16-201x, Transparent chart for the estimation of defect size (new standard)

There are many applications where it is desired to measure the size of spots, defects or inclusions in paper and other industrial materials such as textiles or plastics. This chart was developed from the "TAPPI Dirt Estimation Chart" to provide a means for size estimation.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7277, standards@tappi.org

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

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Revision

BSR B74.13-201x, Markings for Identifying Grinding Wheels and Other Bonded Abrasives (revision of ANSI B74.13-1990 (R2007))

This standard applies to grinding wheels and other bonded abrasives: segments, bricks, sticks, hones, rubs, and other shapes, which are tools used to remove material, alter shape or size, produce a desired surface or accuracy of dimension, or a combination of these objectives. The standard does not apply to specialties such as sharpening stones, or to grinding wheels normally distributed in resale and certain specialized industrial markets, where radically different symbols are commonly used.

Single copy price: \$1.00 (UAMA members)/\$17.00 (nonmembers)

Obtain an electronic copy from: sab@wherryassoc.com

Order from: sab@wherryassoc.com

Send comments (with copy to psa@ansi.org) to: jjw@wherryassoc.com

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 61010-2-040-201X, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2:040: Particular Requirements for Sterilizers and Washer-Disinfectors Used to Treat Medical Materials (identical national adoption of IEC 61010-2-040)

Proposed second edition of the Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-040: Particular Requirements for Sterilizers and Washer-Disinfectors Used to Treat Medical Materials.

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: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 799-2011 (R201X), Standard for Safety for Electrically Conductive Floorings (Proposal dated 11-13-15) (reaffirmation of ANSI/UL 779-2011)

Reaffirmation and continuance of the 8th edition of the ANSI/UL 779-2011, Standard for Safety for Electrically Conductive Floorings.

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: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2572-201X, Mass Notification Systems (revision of ANSI/UL 2572-2011)

Revision of the short range radio frequency device test methods to incorporate spread spectrum technology. Revisions added for new and revised class designations and operation for NACs, IDCs, and SLCs. Miscellaneous editorial revisions, corrections, and clarifications.

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: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com

Comment Deadline: January 12, 2016

ANS (American Nuclear Society)

Revision

BSR/ANS 2.23-201x, Nuclear Plant Response to an Earthquake (revision of ANSI/ANS 2.23-2002 (R2009))

This standard is a major update of ANS Standard 2.23-2002. It provides criteria that the owner of a nuclear power plant can adopt to prepare for, and respond to, a felt earthquake at his plant(s), including the need for plant shutdown, assessment of damage, and actions to determine the readiness of the plant to resume operation and to verify the long-term integrity of the plant. The criteria will be expanded to consider the severity of a felt and recorded earthquake as well as the level of any observed damage in defining a graded approach to determine the damage potential of an earthquake and the actions needed to demonstrate readiness of a plant to restart.

Single copy price: \$20.00

Obtain an electronic copy from: scook@ans.org

Order from: scook@ans.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME HST-4-20xx, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-1999 (R2010))

(a) This Standard establishes performance requirements for electric wire rope hoists for vertical lifting service involving material handling of freely suspended (unguided) loads using wire rope with one of the following types of suspension: (1) lug; (2) hook; (3) trolley; (4) base or deck mounted (does not include base mounted winches of the type covered by ASME B30.7); and (5) wall or ceiling mounted (does not include base-mounted winches of the type covered by ASME B30.7).

(b) This Standard is applicable to hoists manufactured after the date on which this Standard is issued. This Standard is not applicable to: (1) damaged or malfunctioning hoists; (2) hoists that have been misused or abused; (3) hoists that have been altered without authorization of the manufacturer or a qualified person; (4) hoists used for the purpose of lifting or lowering people; and (5) hoists used for the purpose of drawing both the load and the hoist up or down the hoist's own wire rope;

(c) Hoists used for marine and other applications required by the Department of Defense (DOD) shall meet requirements specified in non-mandatory Appendix A.

The requirements of this Standard shall be applied together with the requirements of ASME B30.16. Please also refer to ASME B30.16 for requirements pertaining to marking, construction, and installation; inspection, testing, and maintenance; and operations.

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: Matthew Gerson, gersonm@asme.org

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

New Standard

BSR/INCITS 539-201x, Information technology - Management of Security Credentials Specification (new standard)

The Management of Security Credentials Specification describes an open, secure, portable, efficient, and extensible infrastructure for management of systems. The key properties of Management of Security Credentials Specification are as follows:

- It provides a CIM-based top-level object model needed for the representation of security management interfaces.
- It specifies services for the security management, including operations for local user account modification, role and privilege assignment, certificate importation and exportation, and certificate signing request creation.
- It provides an object model for the security principal, local and third party user accounts, privileges, roles, security keys, keystores, certificates, and CRLs

Single copy price: \$60.00

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

Order from: Rachel Porter, (202) 626-5741, comments@itic.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 9540-201x, Standard for Safety for Energy Storage Systems and Equipment (new standard)

(1) Provides the proposed first edition of the Standard for Energy Storage Systems and Equipment, UL 9540, including applicable requirements for Canada. These requirements cover energy storage systems that are intended to receive electric energy and then to store the energy in some form so that the energy storage system can provide electrical energy to loads or power conversion equipment when needed. The types of energy storage covered under this standard include electrochemical, chemical, mechanical, and thermal.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm-2000.com

Order from: Megan VanHeirselee, (847) 664-2881, Megan.M.VanHeirselee@ul.com

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 489-201X, Standard for Safety for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures (revision of ANSI/UL 489-2014)

(1) Calibration testing for DC circuit breakers; (2) References to supplements; (3) Interchangeable trip units; (4) Three-pole tests; (5) Temperature measurement; (6) Series-connected circuit breakers; (7) DC-rated circuit breakers; (8) HACR marking; (9) Calibration for circuit breakers employing AFCI, GFCI, and EGFP; (10) Motor protection; (11) 3-pole breakers; (12) Dependent manual operation; (13) 15A-rated circuit breaker; (14) "Degree Sign" marking; (15) Thermal memory; (16) Editorial corrections; (17) Strain Relief Test; (18) Alternate thermocouple material; (19) Expand the ratings; and (20) Supplement SC.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm-2000.com

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

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

Correction

Error in Designation

BSR/AWWA C217-201x

On page 4 of the November 6, 2015 issue of Standards Action, the designation of the AWWA Standard is missing its prefix letter. The correct listing is BSR/AWWA C217-201x (revision of ANSI/AWWA C217-2009).

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.

AIIM (Association for Information and Image Management)

Office: 1100 Wayne Avenue
Suite 1100
Silver Spring, MD 20910

Contact: *Betsy Fanning*

Phone: (301) 755-2682

Fax: (240) 494-2682

E-mail: bfanning@aiim.org

BSR/AIIM 22-2016, Standard Recommended Practice - Strategy Markup Language - Part 2: Performance Plans and Reports (revision of ANSI/AIIM 22-2011)

API (American Petroleum Institute)

Office: 1220 L Street, NW
Washington, DC 20005

Contact: *Sally Goodson*

Phone: (202) 682-8130

Fax: (202) 962-4797

E-mail: goodsons@api.org

BSR/API MPMS Chapter 9.4, 1st edition-201x, Continuous Density Measurement Under Dynamic (flowing) Conditions (new standard)

NACE (NACE International, the Corrosion Society)

Office: 15835 Park Ten Place
Houston, TX 77084

Contact: *Richard Southard*

Phone: (281) 228-6485

E-mail: rick.southard@nace.org

BSR/NACE SP0502-20XX, Pipeline External Corrosion Direct Assessment (revision of ANSI/NACE SP0502-2010)

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: *Pamela Dillon*

Phone: (859) 225-9487

E-mail: pam@nasbla.org

BSR/NASBLA 103.1-201X, Supplement- Basic Boating Knowledge - Water Jet Propelled (new standard)

NSF (NSF International)

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

Contact: *Rachel Brooker*

Phone: (734) 827-6866

E-mail: rbrooker@nsf.org

BSR/NSF 173 -201x (i51r2), NSF 173: Dietary Supplements (revision of ANSI/NSF 173-2012)

BSR/NSF 173 -201x (i58r1), NSF 173: Dietary Supplements (revision of ANSI/NSF 173-2012,)

Obtain an electronic copy from: 173i58r1-JC-Memo & Ballot.pdf

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Office: 30200 Detroit Road
Cleveland, OH 44145-1967

Contact: *Donna Haders*

Phone: (440) 899-0010

Fax: (440) 892-1404

E-mail: djh@wherryassoc.com

BSR B74.13-201x, Markings for Identifying Grinding Wheels and Other Bonded Abrasives (revision of ANSI B74.13-1990 (R2007))

Obtain an electronic copy from: sab@wherryassoc.com

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI/ISO 11140-3-2012 (R2015), Sterilization of Health Care Products - Chemical Indicators - Part 3: Class 2 Indicator Systems for Use In the Bowie and Dick-Type Steam Penetration Test (reaffirmation of ANSI/AAMI/ISO 11140-3-2007 (R2012)): 11/10/2015

ANSI/AAMI/ISO 11140-4-2012 (R2015), Sterilization of Health Care Products - Chemical Indicators - Part 4: Class 2 Indicators as an Alternative to Bowie and Dick Test for Detection of Steam Penetration (reaffirmation of ANSI/AAMI/ISO 11140-4-2007 (R2012)): 11/10/2015

ANSI/AAMI/ISO 11140-5-2012 (R2015), Sterilization of Health Care Products - Chemical Indicators - Part 5: Class 2 Indicators for Bowie and Dick Air Removal Test Sheets and Packs (reaffirmation of ANSI/AAMI/ISO 11140-5-2007 (R2012)): 11/10/2015

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

New Standard

ANSI/AHRI Standard 400 (I-P)-2015, Performance Rating of Liquid to Liquid Heat Exchangers (new standard): 11/6/2015

ANSI/AHRI Standard 401 (SI)-2015, Performance Rating of Liquid to Liquid Heat Exchangers (new standard): 11/6/2015

ANSI/AHRI Standard 740-2015, Performance Rating of Refrigerant Recovery Equipment and Recovery/Recycling Equipment (new standard): 11/6/2015

ANSI/AHRI Standard 921 (SI)-2015, Performance Rating of DX-Dedicated Outdoor Air System Units (new standard): 11/6/2015

Revision

ANSI/AHRI Standard 220-2015, Reverberation Room Qualification and Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 220-2010): 11/6/2015

ANSI/AHRI Standard 370-2015, Sound Performance Rating of Large Air-Cooled Outdoor Refrigerating and Air-Conditioning Equipment (revision of ANSI/AHRI Standard 370-2011): 11/6/2015

ANSI/AHRI Standard 920 (I-P)-2015, Performance Rating of DX-Dedicated Outdoor Air System Units (revision of ANSI/AHRI Standard 920-2013): 11/6/2015

ANSI/AHRI Standard 1270 (I-P)-2015, Requirements for Seismic Qualification of HVACR Equipment (revision of ANSI/AHRI Standard 1270 (I-P)-2013): 11/6/2015

ANSI/AHRI Standard 1271 (SI)-2015, Requirements for Seismic Qualification of HVACR Equipment (revision of ANSI/AHRI Standard 1271 (SI)-2013): 11/6/2015

ANS (American Nuclear Society)

Revision

ANSI/ANS 8.27-2015, Burnup Credit for LWR Fuel (revision of ANSI/ANS 8.27-2008): 11/10/2015

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.100-160-1-2015, Magnetic Ink Printing (MICR) - Part 1: Placement and Location (revision of ANSI X9.100-160 Part 1-2009): 11/10/2015

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

Addenda

ANSI/ASHRAE 34p-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE 34o-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE 34q-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE 34r-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE 34s-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE 34t-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 11/2/2015

ANSI/ASHRAE Addendum 62.2m-2015, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013): 11/2/2015

ANSI/ASHRAE/IES 189.1c-2015, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 11/2/2015

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME AG-1-2015, Code on Nuclear Air and Gas Treatment (revision of ANSI/ASME AG-1-2012): 11/9/2015

ASTM (ASTM International)

New Standard

ANSI/ASTM D7082-2015, Specification for Polyethylene Stay In Place Form System for End Walls for Drainage Pipe (new standard): 10/20/2015

ANSI/ASTM F3150-2015, Specification for HEPA Filtration System Performance of Residential & Commercial Vacuum Cleaners (new standard): 11/1/2015

Reaffirmation

- ANSI/ASTM C714-2010 (R2015), Test Method for Thermal Diffusivity of Carbon and Graphite by Thermal Pulse Method (reaffirmation of ANSI/ASTM C714-2005 (R2010)): 10/20/2015
- ANSI/ASTM C748-2010 (R2015), Test Method for Rockwell Hardness of Graphite Materials (reaffirmation of ANSI/ASTM C748-2005 (R2010)): 10/20/2015
- ANSI/ASTM C783-2010 (R2015), Practice for Core Sampling of Graphite Electrodes (reaffirmation of ANSI/ASTM C783-2000 (R2010)): 10/20/2015
- ANSI/ASTM C886-2010 (R2015), Test Method for Scleroscope Hardness Testing of Carbon and Graphite Materials (reaffirmation of ANSI/ASTM C886-2010): 10/20/2015
- ANSI/ASTM C1039-2010 (R2015), Test Methods for Apparent Porosity, Apparent Specific Gravity, and Bulk Density of Graphite Electrodes (reaffirmation of ANSI/ASTM C1039-2000 (R2010)): 10/20/2015
- ANSI/ASTM F1178-2011 (R2015), Specification for Performance of Enameling System, Baking, Metal Joiner Work and Furniture (reaffirmation of ANSI/ASTM F1178-2011): 10/20/2015
- ANSI/ASTM F2268-2010 (R2015), Specification for Bicycle Serial Numbers (reaffirmation of ANSI/ASTM F2268-2003 (R2010)): 10/20/2015
- ANSI/ASTM F2276-2010 (R2015), Specification for Fitness Equipment (reaffirmation of ANSI/ASTM F2276-2010): 10/20/2015
- ANSI/ASTM F2398-2011 (R2015), Test Method for Measuring Moment of Inertia and Center of Percussion of a Baseball or Softball Bat (reaffirmation of ANSI/ASTM F2398-2011): 10/20/2015
- ANSI/ASTM F2651-2011 (R2015), Terminology Relating to Soil and Turfgrass Characteristics of Natural Playing Surfaces (reaffirmation of ANSI/ASTM F2651-2011): 10/20/2015
- ANSI/ASTM F2802-2009 (R2015), Specification for Condition 1 Bicycle Frames (reaffirmation of ANSI/ASTM F2802-2009): 10/20/2015
- ANSI/ASTM F2843-2010 (R2015), Specification for Condition 0 Bicycle Frames (reaffirmation of ANSI/ASTM F2843-2010a): 10/20/2015
- ANSI/ASTM F2844-2011 (R2015), Test Method for Displacement Compression of Softball and Baseball Bat Barrels (reaffirmation of ANSI/ASTM F2844-2011): 10/20/2015
- ANSI/ASTM F2868-2010 (R2015), Specification for Condition 2 Bicycle Frames (reaffirmation of ANSI/ASTM F2868-2010): 10/20/2015
- ANSI/ASTM F2918-2011 (R2015), Test Method for Weighing a Bicycle (reaffirmation of ANSI/ASTM F2918-2011): 10/20/2015

Revision

- ANSI/ASTM C560-2015, Test Methods for Chemical Analysis of Graphite (revision of ANSI/ASTM C560-2005 (R2010)): 10/20/2015
- ANSI/ASTM C562-2015, Test Method for Moisture in a Graphite Sample (revision of ANSI/ASTM C562-2000 (R2010)): 10/20/2015
- ANSI/ASTM C625-2015, Practice for Reporting Irradiation Results on Graphite (revision of ANSI/ASTM C625-2000 (R2010)): 10/20/2015
- ANSI/ASTM C651-2015, Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Four-Point Loading at Room Temperature (revision of ANSI/ASTM C651-2013): 10/20/2015
- ANSI/ASTM C749-2015, Test Method for Tensile Stress-Strain of Carbon and Graphite (revision of ANSI/ASTM C749-2013): 10/20/2015

- ANSI/ASTM C1025-2015, Test Method for Modulus of Rupture in Bending of Electrode Graphite (revision of ANSI/ASTM C1025-2000 (R2010)): 10/20/2015
- ANSI/ASTM D1655-2015, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2014a): 10/20/2015
- ANSI/ASTM D4306-2015, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination (revision of ANSI/ASTM D4306-2012): 10/20/2015
- ANSI/ASTM D5926-2015, Specification for Poly(Vinyl Chloride) (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems (revision of ANSI/ASTM D5926-2009): 10/20/2015
- ANSI/ASTM D7542-2015, Test Method for Air Oxidation of Carbon and Graphite in the Kinetic Regime (revision of ANSI/ASTM D7542-2009): 10/20/2015
- ANSI/ASTM D7547-2015, Specification for Hydrocarbon Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2014): 11/1/2015
- ANSI/ASTM D7566-2015, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2014a): 11/1/2015
- ANSI/ASTM D7592-2015, Specification for Specification for Grade 94 Unleaded Aviation Gasoline Certification and Test Fuel (revision of ANSI/ASTM D7592-2015): 10/20/2015
- ANSI/ASTM D7719-2015, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2014c): 10/20/2015
- ANSI/ASTM D7826-2015, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2013): 11/1/2015
- ANSI/ASTM E691-2015, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2014): 10/20/2015
- ANSI/ASTM E2102-2015, Test Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater (revision of ANSI/ASTM E2102-2014): 10/20/2015
- ANSI/ASTM E2226-2015a, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2015): 10/20/2015
- ANSI/ASTM E2281-2015, Practice for Process and Measurement Capability Indices (revision of ANSI/ASTM E2281-2008a (R2012)): 10/20/2015
- ANSI/ASTM E2307-2015, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2015): 10/20/2015
- ANSI/ASTM E2536-2015a, Guide for Assessment of Measurement Uncertainty in Fire Tests (revision of ANSI/ASTM E2536-2015): 10/20/2015
- ANSI/ASTM E2707-2015, Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (revision of ANSI/ASTM E2707-2014): 10/20/2015
- ANSI/ASTM E2816-2015, Test Methods for Fire Resistive Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2013): 10/20/2015
- ANSI/ASTM E2935-2015, Practice for Conducting Equivalence Testing in Laboratory Applications (revision of ANSI/ASTM E2935-2014): 10/20/2015
- ANSI/ASTM F1163-2015, Specification for Protective Headgear Used in Horse Sports and Horseback Riding (revision of ANSI/ASTM F1163-2013): 10/20/2015

ANSI/ASTM F1446-2015, Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear (revision of ANSI/ASTM F1446-2011): 11/1/2015

ANSI/ASTM F1975-2015, Specification for Nonpowered Bicycle Trailers Designed for Human Passengers (revision of ANSI/ASTM F1975-2009): 10/20/2015

ANSI/ASTM F2223-2015, Guide for ASTM Standards on Playground Surfacing (revision of ANSI/ASTM F2223-2010): 10/20/2015

AWS (American Welding Society)

New Standard

ANSI/AWS-NAVSEA B2.1-1-302-2015, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Naval Applications (new standard): 11/10/2015

ANSI/AWS-NAVSEA B2.1-1-312-2015, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard): 11/10/2015

AWWA (American Water Works Association)

Revision

ANSI/AWWA C904-2015, Cross-linked Polyethylene (PEX) Pressure Tubing, 1/2 In. (13 mm) Through 3 In. (76 mm), for Water Service (revision of ANSI/AWWA C904-2006): 11/9/2015

ANSI/AWWA E103-2015, Horizontal and Vertical Line-Shaft Pumps (revision of ANSI/AWWA E103-2008): 11/9/2015

FM (FM Approvals)

New Standard

ANSI/FM 6020-2015, Evaluating Fire Performance of Intermediate Bulk Containers (new standard): 11/10/2015

IESNA (Illuminating Engineering Society of North America)

Revision

ANSI/IESNA RP-27.1-2015, Recommended Practice for Photobiological Safety of Lamps and Lamp Systems - General Requirements (revision of ANSI/IESNA RP-27.1-2005): 11/6/2015

LEO (Leonardo Academy, Inc.)

New Standard

ANSI/LEO 4000-2015, Sustainable Agriculture (new standard): 11/3/2015

NEMA (ASC C136) (National Electrical Manufacturers Association)

Reaffirmation

ANSI C136.26-2010 (R2015), Standard for Roadway and Area Lighting Equipment - Troubleshooting Guide for High-Intensity Discharge (HID) Luminaires (reaffirmation of ANSI C136.26-2010): 11/5/2015

Revision

ANSI C136.2-2015, Standard for Roadway and Area Lighting Equipment - Dielectric Withstand and Electrical Transient Immunity Requirements (revision of ANSI C136.2-2004 (R2009)): 11/3/2015

NSF (NSF International)

Revision

* ANSI/NSF 60-2015 (i69), Drinking Water Treatment Chemicals: Health Effects (revision of ANSI/NSF 60-2014a): 11/3/2015

* ANSI/NSF 61-2015 (i122), Drinking Water System Components: Health Effects (revision of ANSI/NSF 61-2014a): 11/2/2015

* ANSI/NSF 61-2015 (i126), Drinking Water System Components: Health Effects (revision of ANSI/NSF 61-2014a): 11/3/2015

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 607-C-2015, Generic Telecommunications Grounding (Earthing) and Bonding for Customer Premises (revision, redesignation and consolidation of ANSI/TIA 607-B-2011, ANSI/TIA 607-B-1-2013, and ANSI/TIA 607-B-2-2013): 11/9/2015

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 674-2011 (R2015), Standard for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (Proposal dated 06-26-15) (reaffirmation of ANSI/UL 674-2011): 11/6/2015

ANSI/UL 1322-2010 (R2015), Standard for Safety for Fabricated Scaffold Planks and Stages (reaffirmation of ANSI/UL 1322-2010): 11/6/2015

Revision

* ANSI/UL 217-2015d, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2015c): 10/30/2015

* ANSI/UL 217-2015e, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2015c): 10/30/2015

* ANSI/UL 2157-2015, Standard for Safety for Electric Clothes Washing Machines and Extractors (revision of ANSI/UL 2157-2004 (R2010)): 11/2/2015

* ANSI/UL 2157-2015a, Standard for Safety for Electric Clothes Washing Machines and Extractors (revision of ANSI/UL 2157-2004 (R2010)): 11/2/2015

Project Initiation Notification System (PINS)

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

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

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

AWS (American Welding Society)

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E-mail: jrosario@aws.org

BSR/AWS-NAVSEA B2.1-1-301-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Plate and Structural Naval Applications (new standard)

Stakeholders: Navy, manufacturers, welders, engineers, and CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for fillet welds, partial-penetration groove welds, full-penetration groove welds with backing, and joints welded from both sides. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

BSR/AWS-NAVSEA B2.1-1-311-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard)

Stakeholders: Navy, manufacturers, welders, engineers, and CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment; the filler metal specifications; and joint designs for fillet welds, full-penetration groove welds with and without backing, and joints welded from both sides. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

BSR/AWS-NAVSEA B2.1-8-309-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)

Stakeholders: Navy, manufacturers, welders, engineers, and CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment; the filler metal specifications; and joint designs for fillet welds, partial-penetration groove welds, full-penetration groove welds with backing, and joints welded from both sides. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

BSR/AWS-NAVSEA B2.1-8-319-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

Stakeholders: Navy, manufacturers, welders, engineers, and CWIs.

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment; the filler metal specifications; and joint designs for fillet welds, full-penetration groove welds with backing, and joints welded from both sides. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

NACE (NACE International, the Corrosion Society)

Office: 15835 Park Ten Place
Houston, TX 77084

Contact: Richard Southard

E-mail: rick.southard@nace.org

BSR/NACE SP0502-20XX, Pipeline External Corrosion Direct Assessment (revision of ANSI/NACE SP0502-2010)

Stakeholders: Pipeline operators and others who must manage pipeline integrity.

Project Need: Standard is being updated to reflect new technologies.

This standard covers the NACE external corrosion direct assessment (ECDA) process for buried onshore ferrous pipeline systems. This standard is intended to serve as a guide for applying the NACE ECDA process on typical pipeline systems.

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: Pamela Dillon

E-mail: pam@nasbla.org

BSR/NASBLA 103.1-201X, Supplement - Basic Boating Knowledge - Water Jet Propelled (new standard)

Stakeholders: Course providers; Federal/ State/ Local governments; NGOs; boating public.

Project Need: This document provides supplementary content for BSR/NASBLA 103-201X, Basic Boating Knowledge – Power, to address basic recreational water-jet propelled knowledge with a primary focus on safety and mitigation of risks associated with recreational boating. Developed for optional use with BSR/NASBLA 103-201X, Basic Boating Knowledge – Power, this supplement contains the basic knowledge elements that a beginner (entry-level) operator should have in order to safely operate a water-jet propelled watercraft.

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

NEMA (ASC C119) (National Electrical Manufacturers Association)

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Rosslyn, VA 22209

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E-mail: Pau_orr@nema.org

BSR C119.1-201x, Electric Connectors - Sealed Insulated Underground Connector Systems Rated 600 Volts (revision of ANSI C119.1-2011)

Stakeholders: Connector manufacturers, utilities.

Project Need: Update existing standard to remove common tests as they are now in ANSI C119.0-2015.

This standard covers sealed, insulated underground connector systems rated at six hundred (600) volts for utility applications and establishes electrical, mechanical, and sealing requirements for sealed insulated underground connector systems.

BSR C119.5-201x, Electric Connectors - Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2009)

Stakeholders: Utilities, connector manufacturers.

Project Need: Update existing standard with latest requirements.

This standard covers insulation-piercing connectors used for making electrical connections between insulated, insulated-to-bare, and bare-to-bare conductors rated 600 V or less and 90°C (low-voltage aerial bundled cables and bare and insulated line wires) on overhead distribution lines for electric utilities. Underground insulation-piercing connector systems rated at 600 V are covered by ANSI C119.1.

PLASA (PLASA North America)

Office: 630 Ninth Avenue
Suite 609
New York, NY 10036-3748

Contact: Karl Ruling

Fax: (212) 244-1502

E-mail: standards.na@plasa.org

BSR E1.20-201x, Entertainment Technology - Remote Device Management over USITT DMX512 (revision of ANSI E1.20-2010)

Stakeholders: Manufacturers, vendors, and users of stage-lighting control equipment.

Project Need: Revise current ANS to clarify ambiguities, fix bugs, and address necessary changes.

ANSI E1.20-2010, Entertainment Technology - Remote Device Management over USITT DMX512, is being revised to clarify ambiguities, fix bugs, and incorporate necessary changes. ANSI E1.20 is an extension to USITT DMX512 and ANSI E1.11 that allows for bi-directional communication on the primary data link. This allows a controller to discover RDM-enabled devices on the link, to set starting addresses and other configuration settings, and to request status messages.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI

Association for the Advancement of
Medical Instrumentation (AAMI)
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8263
Fax: (703) 276-0793
Web: www.aami.org

ABMA (ASC B3)

American Bearing Manufacturers
Association
2025 M Street, NW
Suite 800
Washington, DC 20036-3309
Phone: (919) 481-2852
Fax: (919) 827-4587
Web: www.americanbearings.org

AHRI

Air-Conditioning, Heating, and
Refrigeration Institute
2111 Wilson Boulevard
Suite 500
Arlington, VA 22201
Phone: (703) 600-0327
Fax: (703) 562-1942
Web: www.ahrinet.org

ANS

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

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005
Phone: (202) 682-8130
Fax: (202) 962-4797
Web: www.api.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7027
Fax: (269) 429-3852
Web: www.asabe.org

ASC X9

Accredited Standards Committee X9,
Incorporated
1212 West Street
Suite 200
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME

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

ASTM

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

AWS

American Welding Society
8669 NW 36th Street
Suite #130
Miami, FL 33166-6672
Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

AWWA

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

FM

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

IEEE (ASC N42)

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08855-1331
Phone: 732-562-3817
Web: standards.ieee.org

IESNA

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

ITI (INCITS)

InterNational Committee for
Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5741
Fax: 202-638-4922
Web: www.incits.org

LEO

Leonardo Academy, Inc.
2912 Marketplace Drive
Suite 103
Madison, WI 53719
Phone: (608) 280-0255
Fax: (608) 255-7202
Web: www.leonardoacademy.org

NACE

NACE International, the Corrosion
Society
15835 Park Ten Place
Houston, TX 77084
Phone: (281) 228-6485
Web: www.nace.org

NASBLA

National Association of State Boating
Law Administrators
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Lexington, KY 40511
Phone: (859) 225-9487
Web: www.nasbla.org

NEMA (ASC C12)

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NEMA (ASC C136)

National Electrical Manufacturers
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1300 North 17th Street
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Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3378
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-6866
Web: www.nsf.org

OPEI

Outdoor Power Equipment Institute
341 South Patrick Street
Alexandria, VA 22314
Phone: (703) 549-7600
Fax: (703) 549-7604
Web: www.opei.org

PLASA

PLASA North America
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New York, NY 10036-3748
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.plasa.org

ROHVA

Recreational Off-Highway Vehicle
Association
2 Jenner Street
Suite 150
Irvine, CA 92618
Phone: (949) 255-2560
Fax: (949) 727-4216

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7277
Fax: (770) 446-6947
Web: www.tappi.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7497
Fax: (703) 907-7727
Web: www.tiaonline.org

UAMA (ASC B74)

Unified Abrasive Manufacturers'
Association
30200 Detroit Road
Cleveland, OH 44145-1967
Phone: (440) 899-0010
Fax: (440) 892-1404
Web: www.uama.org

UL

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



ISO & IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM DIS 52901, Additive manufacturing - General principles - Requirements for purchased AM parts - 12/7/2015, \$67.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 20683-1, Aircraft ground equipment - Design, test and maintenance for towbarless towing vehicles (TLTV) interfaced with nose-landing gear - Part 1: Main-line aircraft - 12/7/2015, \$88.00

ISO/DIS 20683-2, Aircraft ground equipment - Design, test and maintenance for towbarless towing vehicles (TLTV) interfaced with nose-landing gear - Part 2: Regional aircraft - 12/7/2015, \$71.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 11843-5/DAmD1, Capability of detection - Part 5: Methodology in the linear and non-linear calibration cases - Amendment 1 - 12/7/2015, \$29.00

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

ISO/DIS 10993-11, Biological evaluation of medical devices - Part 11: Tests for systemic toxicity - 12/7/2015, \$102.00

GAS CYLINDERS (TC 58)

ISO 12209/DAmD1, Gas cylinders - Outlet connections for gas cylinder valves for compressed breathable air - Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar - 12/7/2015, \$53.00

ISO/DIS 19016, Gas cylinders - Cylinders and tubes of composite construction - Modal acoustic emission (MAE) testing for periodic inspection and testing - 12/6/2015, \$82.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 17972-3, Graphic technology - Colour data exchange format (CxF/X) - Part 3: Output target data (CxF/X-3) - 12/7/2015, \$71.00

GRAPHICAL SYMBOLS (TC 145)

ISO 7010/DAmD182, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 182: Safety sign E025: Emergency hammer - 12/7/2015, \$29.00

ISO 7010/DAmD183, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 183: Safety sign P040: Do not set off fireworks - 12/7/2015, \$29.00

ISO 7010/DAmD184, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 184: Safety sign P041: No leaning against - 12/7/2015, \$29.00

ISO 7010/DAmD185, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 185: Safety sign P042: No pregnant women allowed - 12/7/2015, \$29.00

ISO/DIS 3864-2, Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels - 12/7/2015, \$77.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 19649, Robots and robotic devices - Vocabulary for mobile robots - 2/6/2016, \$46.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 5344/DAmD1, Electrodynamic vibration generating systems - Performance characteristics - Amendment 1 - 12/7/2015, \$29.00

ISO 8626/DAmD1, Servo-hydraulic test equipment for generating vibration - Method of describing characteristics - Amendment 1 - 12/7/2015, \$29.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 18251-1, Non-destructive testing - Infrared thermography - System and equipment - Part 1: Description of characteristics - 12/7/2015, \$58.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 12944-1, Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 1: General introduction - 2/28/2016, \$46.00

ISO/DIS 12944-2, Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 2: Classification of environments - 2/28/2016, \$58.00

ISO/DIS 12944-3, Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 3: Design considerations - 2/28/2016, \$62.00

ISO/DIS 12944-7, Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 7: Execution and supervision of paint work - 2/28/2016, \$53.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 15025, Protective clothing - Protection against flame - Method of test for limited flame spread - 12/7/2015, \$82.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 19291, Testing of lubricants - Tribological test in the translatory oscillation apparatus - Determination of tribological quantities for oils and greases in the translatory oscillation apparatus - 12/7/2015, \$67.00

PLASTICS (TC 61)

ISO/DIS 19209, Classification of thermoplastic wood adhesives for non-structural applications - 2/28/2016, \$33.00

ISO/DIS 19210, Adhesives - Thermoplastic wood adhesives for non-structural applications - Determination of tensile shear strength of lap joints - 2/28/2016, \$53.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 10639, Plastics piping systems for water supply with or without pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester (UP) resin - 12/10/2011, \$134.00

ISO/DIS 10928, Plastics piping systems - Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Methods for regression analysis and their use - 2/5/2016, \$112.00

ISO/DIS 16611, Plastics piping systems for drainage and sewerage without pressure - Non-circular pipes and joints made of glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resins (UP) - Dimensions, requirements and tests - 2/5/2016, \$88.00

POWDER METALLURGY (TC 119)

ISO/DIS 3928, Sintered metal materials, excluding hardmetals - Fatigue test pieces - 12/7/2015, \$46.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 22412, Particle size analysis - Dynamic light scattering (DLS) - 12/7/2015, \$107.00

(TC 278)

ISO/DIS 37001, Anti-bribery management systems - 2/5/2016, \$112.00

(TC 286)

ISO/DIS 11000, Collaborative business relationship management - Framework - 2/6/2016, \$112.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO/DIS 81346-12, Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 12: Construction works and building services - 2/6/2016, \$119.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 19323, Timber structures - Joist hangers - Test methods - 2/6/2016, \$62.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 14823, Intelligent transport systems - Graphic data dictionary - 12/7/2015, \$155.00

WATER QUALITY (TC 147)

ISO 9308-1/DAmD1, Water quality - Enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background flora - Amendment 1 - 2/28/2016, \$29.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 15296, Gas welding equipment - Vocabulary - Terms used for gas welding equipment - 2/28/2016, \$67.00

ISO/DIS 5175-1, Gas welding equipment - Safety devices - Part 1: Incorporating a flame (flashback) arrestor - 2/28/2016, \$71.00

ISO/DIS 5175-2, Gas welding equipment - Safety devices - Part 2: Not incorporating a flame (flashback) arrestor - 2/28/2016, \$58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-5/DAmD3, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 3: Reference software for scalable profiles - 12/7/2015, \$29.00

ISO/IEC 23008-5/DAmD4, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 4: Reference software for 3D Main profile - 12/7/2015, \$29.00

ISO/IEC DIS 2382-37, Information technology - Vocabulary - Part 37: Biometrics - 12/7/2015, \$98.00

ISO/IEC DIS 29155-4, Systems and software engineering - Information technology project performance benchmarking framework - Part 4: Guidance for data collection and maintenance - 12/7/2015, \$102.00

ISO/IEC DIS 14496-15, Information technology - Coding of audio-visual objects - Part 15: Carriage of NAL unit structured video in the ISO Base Media File Format - 12/7/2015, \$185.00

IEC Standards

9/2093/DTS, IEC 61375-2-4 TS Ed.1: Electronic railway equipment - Train Communication Network (TCN) - Part 2-4: TCN Application profile, 02/12/2016

11/238/CD, IEC 61854/Ed2: Overhead lines - Requirements and tests for spacers, 01/08/2016

21/874/FDIS, IEC 62877-1: Electrolyte and water for vented lead acid accumulators - Part 1: Requirements for electrolyte, 01/08/2016

21/875/FDIS, IEC 62788-2: Electrolyte and water for vented lead acid accumulators - Part 2: Requirements for water, 01/08/2016

23A/798/CD, IEC 62275 A1 Ed.2: Cable management systems - Cable ties for electrical installations, 03/11/2016

23E/919/FDIS, IEC 62752 Ed.1: In-cable Control and Protection Device for mode 2 charging of electric road vehicles (IC-CPDS), 01/08/2016

47A/978/NP, Future IEC 63011-1 Integrated circuits - Three dimensional integrated circuits - Part 1: General conditions and definitions, 02/12/2016

55/1554/CDV, IEC 60317-0-7/Ed2: Specifications for particular types of winding wires - Part 0-7: General requirements - Fully insulated (FIW) zero-defect enamelled winding wires, 02/12/2016

55/1556/CDV, IEC 60317-56/Ed2: Specifications for particular types of winding wires - Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled winding wire, class 180, 02/12/2016

65A/777/FDIS, IEC 61511-1 Ed. 2.0: Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming requirements, 01/08/2016

65C/834/FDIS, IEC 62439-x Ed 2.0: Industrial communication networks - High availability automation networks, 01/08/2016

- 65C/835/FDIS, IEC 62591 Ed 2.0: Industrial networks - Wireless communication network and communication profiles - WirelessHART, 01/08/2016
- 77A/914/CD, IEC 61000-2-2 Ed.2 A1: Electromagnetic compatibility (EMC) - Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems, 01/15/2016
- 80/770/CDV, IEC 62320-2 Ed.2: Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results, 02/12/2016
- 88/562A/CDV, IEC 61400-12-1 Ed.2: Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines, 02/12/2016
- 91/1318/CD, IEC 62090 Ed.2: Product package labels for electronic components using bar code and two-dimensional symbologies, 01/08/2016
- 91/1319/CD, IEC 61188-7 Ed.2: Printed boards and printed board assemblies - Design and use - Part 7: Electronic component zero orientation for CAD library construction, 01/08/2016
- 100/2561/NP, IEC 63028: Wireless Power Transfer - Magnetic Resonance Interoperability - A4WP Baseline System Specification (BSS), 02/12/2016
- 100/2562/CDV, IEC 63028/Ed1: Wireless Power Transfer - Magnetic Resonance Interoperability - A4WP Baseline System Specification (BSS), 02/12/2016
- 100/2603/FDIS, IEC 62777 Ed.1: Quality Evaluation Method for the Sound Field of Directional Loudspeaker Array System, 01/08/2016
- CIS/D/427/CD, CISPR 12: Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers, 02/12/2016
- 7/645/CD, IEC 62818/Ed1: Conductors for overhead lines - Fiber reinforced composite core used as supporting member material, 02/05/2016
- 18A/388/CD, IEC 60092-376: Electrical installations in ships - Part 376: Cables for control and instrumentation circuits 150/250 V (300 V), 02/05/2016
- 23H/337A/CD, IEC/TS 62196-4 Ed.1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 4: Dimensional compatibility and interchangeability requirements for a.c., d.c. and a.c./d.c. pin and contact-tube vehicle couplers for light electric vehicles, 01/22/2016
- 31/1230/Q, Revision of IEC 60079-15/Ed4, 12/11/2015
- 45/792/NP, Nuclear instrumentation - Data format for list-mode digital data acquisition used in radiation detection and measurement, 02/05/2016
- 45/793/NP, General requirements for Remote and unmanned automatic devices for nuclear and radiological applications, 02/05/2016
- 45B/827/CD, IEC 62401 Ed.2: Radiation protection instrumentation - Alarming Personal Radiation Devices (PRD) for detection of illicit trafficking of radioactive material, 02/05/2016
- 47D/870/CD, IEC 60191-2 f72 Ed.1: Proposed new package outline - P-UMP-Ax, 01/01/2016
- 64/2071/CDV, IEC 60634-7-712: Low-voltage electrical installations ? Part 7-712: Requirements for special installations or location - Solar photovoltaic (PV) power supply installations, 02/05/2016
- 86B/3961/FDIS, IEC 61754-31/Ed1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 31: Type N-FO connector family, 01/01/2016
- 87/579/CDV, IEC 60500: Underwater acoustics - Hydrophones - Properties of hydrophones in the frequency range 1 Hz to 500 kHz, 02/05/2016
- 89/1296/FDIS, IEC 60695-1-20/Ed1: Fire hazard testing - Part 1-20: Guidance for assessing the fire hazard of electrotechnical products - Ignitability - General guidance, 01/01/2016
- 100/2591/FDIS, IEC 62760/Ed.1: Audio reproduction method for normalized loudness level, 01/01/2016
- 100/2592/FDIS, IEC 60728-11 Ed. 4.0: Cable networks for television signals, sound signals and interactive services - Part 11: Safety, 01/01/2016
- 100/2598/DTR, IEC/TR Ed.2.0 62921: Quantification Methodology for Greenhouse Gas Emissions for Computers and Monitors (TA13), 01/01/2016
- 103/143/FDIS, IEC 60215/Ed.4: Safety requirements for radio transmitting equipment, 01/01/2016
- 108/624A/DC, Proposal for IEC 62368-1, Edition 2, Audio/video, information and communication technology equipment - Part 1: Safety requirements, use of an SPD between the mains and an external circuit, 04/15/2016
- 108/626/Q, Cancellation of project IEC 60065/A1/Ed5, 12/11/2015
- 108/627/Q, Cancellation of project IEC 62368-1/A1/Ed2, 12/11/2015
- 109/134/CD, IEC/TS 62993 Ed.1: Guidance for determination of clearances; creepage distances and requirements for solid insulation for equipment with a rated voltage above 1 000 V a.c. and 1 500 V d.c. up to 2 000 V a.c. and 3 000 V d.c., 02/05/2016
- 110/712/CD, IEC 62908-13-10 Ed.1 - Touch and interactive displays - Part 13-10: Reliability test methods of touch displays - Environmental durability test methods, 01/01/2016
- 110/715/DTS, IEC/TS 62715-5-2 Ed.1: Flexible display devices - Part 5-2: Measuring methods of optical characteristics for curved displays, 02/05/2016
- 112/346/CD, IEC 61857-31 Ed.1: Electrical insulation systems-procedures for thermal evaluation - Part 31: Applications with a designed life less than 5000 hours, 02/05/2016
- CIS/A/1123/CDV, Amendment 2 to CISPR 16-1-4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 02/05/2016
- CIS/A/1124/CDV, Amendment 1 to CISPR 16-1-5: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration sites and reference test sites for 5 MHz to 18 GHz, 02/05/2016
- CIS/A/1125/CDV, Amendment 1 to CISPR 16-1-6: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, 02/05/2016



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 30109:2015](#), Information technology - User interfaces - Worldwide availability of personalized computer environments, \$88.00

[ISO/IEC TR 30110:2015](#), Information technology - Cross jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and children, \$88.00

[ISO/IEC TR 23009-3:2015](#), Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 3: Implementation Guidelines, \$88.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 22630:2015](#), Oilseed meals - Determination of oil content - Rapid extraction method, \$88.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 18238:2015](#), Space systems - Closed loop problem solving management, \$123.00

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

[ISO 22442-1:2015](#), Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management, \$173.00

[ISO 22442-2:2015](#), Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling, \$123.00

BUILDING CONSTRUCTION (TC 59)

[ISO 19861:2015](#), Buildings and civil engineering works - Sealants - Determination of curing behaviour, \$51.00

[ISO 19862:2015](#), Buildings and civil engineering works - Sealants - Durability to extension compression cycling under accelerated weathering, \$88.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

[ISO 23550/Amd1:2015](#), Safety and control devices for gas burners and gas-burning appliances - General requirements - Amendment 1, \$22.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 18070:2015](#), Corrosion of metals and alloys - Crevice corrosion formers with disc springs for flat specimens or tubes made from stainless steel, \$88.00

[ISO 18089:2015](#), Corrosion of metals and alloys - Determination of the critical crevice temperature (CCT) for stainless steels under potentiostatic control, \$123.00

CRANES (TC 96)

[ISO 15442/Amd1:2015](#), Cranes - Safety requirements for loader cranes - Amendment 1, \$22.00

FURNITURE (TC 136)

[ISO 9221-1:2015](#), Furniture - Childrens high chairs - Part 1: Safety requirements, \$88.00

[ISO 9221-2:2015](#), Furniture - Childrens high chairs - Part 2: Test methods, \$149.00

INDUSTRIAL TRUCKS (TC 110)

[ISO 10896-4:2015](#), Rough-terrain trucks - Safety requirements and verification - Part 4: Additional requirements for variable-reach trucks handling freely suspended loads, \$88.00

IRON ORES (TC 102)

[ISO 2597-2:2015](#), Iron ores - Determination of total iron content - Part 2: Titrimetric methods after titanium(III) chloride reduction, \$123.00

MECHANICAL TESTING OF METALS (TC 164)

[ISO 11531:2015](#), Metallic materials - Sheet and strip - Earing test, \$51.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 8727/Amd1:2015](#), Mechanical vibration and shock - Human exposure - Biodynamic coordinate systems - Amendment 1, \$22.00

PACKAGING (TC 122)

[ISO 8317:2015](#), Child-resistant packaging - Requirements and testing procedures for reclosable packages, \$123.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 15360-2:2015](#), Recycled pulps - Estimation of Stickies and Plastics - Part 2: Image analysis method, \$123.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 11999-5:2015](#), PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 5: Helmets, \$149.00

[ISO 16900-14:2015](#), Respiratory protective devices - Methods of test and test equipment - Part 14: Measurement of sound level, \$88.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

[ISO 18451-1:2015](#), Pigments, dyestuffs and extenders - Terminology - Part 1: General terms, \$149.00

[ISO 18451-2:2015](#), Pigments, dyestuffs and extenders - Terminology - Part 2: Classification of colouring materials according to colouristic and chemical aspects, \$123.00

PLASTICS (TC 61)

[ISO 18263-2:2015](#), Plastics - Mixtures of polypropylene (PP) and polyethylene (PE) recycle derived from PP and PE used for flexible and rigid consumer packaging - Part 2: Preparation of test specimens and determination of properties, \$88.00

[ISO 19062-1:2015](#), Plastics - Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$88.00

[ISO 19063-1:2015](#), Plastics - Impact-resistant polystyrene (PS-I) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$88.00

[ISO 19064-1:2015](#), Plastics - Styrene/acrylonitrile (SAN) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$51.00

ROAD VEHICLES (TC 22)

[ISO 28981/Amd1:2015](#), Mopeds - Methods for setting the running resistance on a chassis dynamometer - Amendment 1, \$22.00

[ISO 6460-1/Amd1:2015](#), Motorcycles - Measurement method for gaseous exhaust emissions and fuel consumption - Part 1: General test requirements - Amendment 1, \$22.00

[ISO 6460-3/Amd1:2015](#), Motorcycles - Measurement method for gaseous exhaust emissions and fuel consumption - Part 3: Fuel consumption measurement at a constant speed - Amendment 1, \$22.00

ROLLING BEARINGS (TC 4)

[ISO 464:2015](#), Rolling bearings - Radial bearings with locating snap ring - Dimensions, geometrical product specifications (GPS) and tolerance values, \$123.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 705:2015](#), Rubber latex - Determination of density between 5 degrees C and 40 degrees C, \$51.00

[ISO 4079:2015](#), Rubber hoses and hose assemblies - Textile-reinforced hydraulic types for oil-based or water-based fluids - Specification, \$88.00

SAFETY OF MACHINERY (TC 199)

[ISO 14120:2015](#), Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards, \$173.00

SURFACE CHEMICAL ANALYSIS (TC 201)

[ISO 19830:2015](#), Surface chemical analysis - Electron spectroscopies - Minimum reporting requirements for peak fitting in X-ray photoelectron spectroscopy, \$149.00

TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

[ISO 18600:2015](#), Textile machinery and accessories - Web roller cards - Terms and definitions, \$88.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 22401:2015](#), Equipment for crop protection - Method for measurement of potential spray drift from horizontal boom sprayers by the use of a test bench, \$88.00

TRADITIONAL CHINESE MEDICINE (TC 249)

[ISO 18665:2015](#), Traditional Chinese medicine - Herbal decoction apparatus, \$88.00

[ISO 18666:2015](#), Traditional Chinese medicine - General requirements of moxibustion devices, \$88.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 15784-2:2015](#), Intelligent transport systems (ITS) - Data exchange involving roadside modules communication - Part 2: Centre to field device communications using SNMP, \$200.00

VALVES (TC 153)

[ISO 28921-2:2015](#), Industrial valves - Isolating valves for low-temperature applications - Part 2: Type testing, \$123.00

ISO Guides**OTHER**

[ISO Guide 31:2015](#), Reference materials - Contents of certificates, labels and accompanying documentation, \$88.00

ISO Technical Reports**AGRICULTURAL FOOD PRODUCTS (TC 34)**

[ISO/TR 17622:2015](#), Molecular biomarker analysis - SSR analysis of sunflower, \$51.00

GAS CYLINDERS (TC 58)

[ISO/TR 17329:2015](#), Gas cylinders - Identification of gas cylinder manufacturer marks and their assigned radio frequency identification (RFID) codes, \$173.00

ISO Technical Specifications**APPLICATIONS OF STATISTICAL METHODS (TC 69)**

[ISO/TS 17503:2015](#), Statistical methods of uncertainty evaluation - Guidance on evaluation of uncertainty using two-factor crossed designs, \$149.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO/TS 18339:2015](#), Endotherapy devices - Eyepiece cap and light guide connector, \$51.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 27002/Cor2:2015](#), Information technology - Security techniques - Code of practice for information security controls - Corrigendum, FREE

[ISO/IEC 14496-3/Cor7:2015](#), Information technology - Coding of audio-visual objects - Part 8: Carriage of ISO/IEC 14496 contents over IP networks - Corrigendum, FREE

[ISO/IEC 19794-5/Cor4:2015](#), Information technology - Biometric data interchange formats - Part 5: Face image data - Corrigendum, FREE

[ISO/IEC 14496-27/Amd5:2015](#), Information technology - Coding of audio-visual objects - Part 27: 3D Graphics conformance - Amendment 5: Multi-resolution 3D mesh compression, \$22.00

[ISO/IEC 24711:2015](#), Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components, \$173.00

[ISO/IEC 30191:2015](#), Information technology - Digitally recorded media for information interchange and storage - 120 mm Triple Layer (100,0 Gbytes single sided disk and 200,0 Gbytes double sided disk) and Quadruple Layer (128,0 Gbytes single sided disk) BD Recordable disk, \$265.00

[ISO/IEC 17839-2:2015](#), Information technology - Biometric System-on-Card - Part 2: Physical characteristics, \$51.00

[ISO/IEC 18328-2:2015](#), Identification cards - ICC-managed devices - Part 2: Physical characteristics and test methods for cards with devices, \$123.00

[ISO/IEC 19788-8:2015](#), Information technology - Learning, education and training - Metadata for learning resources - Part 8: Data elements for MLR records, \$173.00

[ISO/IEC 19788-9:2015](#), Information technology - Learning, education and training - Metadata for learning resources - Part 9: Data elements for persons, \$149.00

[ISO/IEC 24779-9:2015](#), Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, icons and symbols for use with biometric systems - Part 9: Vascular applications, \$51.00

[ISO/IEC 30108-1:2015](#), Information technology - Biometric Identity Assurance Services - Part 1: BIAS services, \$240.00

[ISO/IEC 14496-11:2015](#), Information technology - Coding of audio-visual objects - Part 11: Scene description and application engine, \$265.00

[ISO/IEC 29110-2-1:2015](#), Software Engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 2-1: Framework and taxonomy, \$173.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

[IEC 62153-4-10 Ed. 2.0 en:2015](#), Metallic communication cable test methods - Part 4-10: Electromagnetic compatibility (EMC) - Transfer impedance and screening attenuation of feed-throughs and electromagnetic gaskets - Double coaxial test method, \$206.00

ELECTROACOUSTICS (TC 29)

[IEC 61669 Ed. 2.0 b:2015](#), Electroacoustics - Measurement of real-ear acoustical performance characteristics of hearing aids, \$254.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-4-24 Ed. 2.0 b:2015](#), Electromagnetic compatibility (EMC) - Part 4-24: Testing and measurement techniques - Test methods for protective devices for HEMP conducted disturbance, \$278.00

FIBRE OPTICS (TC 86)

[IEC 62077 Ed. 3.0 en:2015](#), Fibre optic interconnecting devices and passive components - Fibre optic circulators - Generic specification, \$182.00

[IEC 60793-2 Ed. 8.0 b:2015](#), Optical fibres - Part 2: Product specifications - General, \$73.00

[IEC 61753-382-2 Ed. 1.0 b:2015](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 382-2: Non-connectorized single-mode bidirectional G-PON-NGA WWDM devices for category C - Controlled environment, \$121.00

[IEC 61754-4-100 Ed. 1.0 b:2015](#), Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4 -100: Type SC connector family - Simplified receptacle SC-PC connector interfaces, \$61.00

[IEC 61754-6-100 Ed. 1.0 b:2015](#), Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6 -100: Type MU connector family - Simplified receptacle MU-PC connector interfaces, \$61.00

TERMINOLOGY (TC 1)

[IEC 60050-815 Ed. 2.0 b:2015](#), International Electrotechnical Vocabulary - Part 815: Superconductivity, \$363.00

WINDING WIRES (TC 55)

[IEC 60317-59 Ed. 1.0 b:2015](#), Specifications for particular types of winding wires - Part 59: Polyamide-imide enamelled round copper wire, class 240, \$48.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

PINS Withdrawals

AIIM: Withdrawal of PINS from the ANS Process

AIIM has withdrawn the following project from consideration within the American National Standards process: BSR/AIIM 24, Standard Recommended Practice – Strategy Markup Language – Part 3: Additional Elements. Questions may be directed to: Betsy Fanning, bfanning@aiim.org.

ANSI Accredited Standards Developers

Approval of Accreditation as an ANSI ASD

Commission on Accreditation of Ambulance Services (CAAS)

ANSI's Executive Standards Council has approved the Commission on Accreditation of Ambulance Services (CAAS), a new ANSI Organizational Member in 2015, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on CAAS-sponsored American National Standards, effective November 6, 2015. For additional information, please contact: Ms. Marcie McGlynn, Director of Administration, Commission on Accreditation of Ambulance Services, 1926 Waukegan Road, Suite 300, Glenview, IL 60025; phone: 847.657.6828, ext. 3016; e-mail: marciem@tcag.com.

Approval of Reaccreditation

ASC Z80 – Ophthalmic Standards

At the direction of ANSI's Executive Standards Council, the reaccreditation of the Accredited Standards Committee Z80, Ophthalmic Standards under its recently revised operating procedures for documenting consensus on ASC Z80-sponsored American National Standards, has been approved effective November 11, 2015. For additional information, please contact the Secretariat of ASC Z80: Ms. Amber Robinson, Senior Manager, Member & Technical Programs, Low Vision Division Liaison, The Vision Council, 225 Reinekers Lane, Suite 700, phone: 703.740.1094; e-mail: arobinson@thevisioncouncil.org.

American Dental Association (ADA)

At the direction of ANSI's Executive Standards Council, the reaccreditation of the American Dental Association (ADA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ADA-sponsored American National Standards, has been approved effective November 10, 2015. For additional information, please contact: Mr. Paul Bralower, Manager, Standards, Center for Informatics and Standards, American Dental Association, 211 E. Chicago Avenue, Chicago, IL 60611; phone: 312.587.4129; e-mail: bralowerp@ada.org.

Consumer Electronics Association (CEA)

On behalf of ANSI's Executive Standards Council, the reaccreditation of the Consumer Electronics Association (CEA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on CEA-sponsored American National Standards has been approved effective November 6, 2015. For additional information, please contact: Ms. Veronica Lancaster, AStd, Director, Standards Programs, Consumer Electronics Association, 1919 S. Eads Street, Arlington, VA 22202; phone: 703.907.7697; e-mail: VLancaster@ce.org.

International Institute of Ammonia Refrigeration (IIAR)

ANSI's Executive Standards Council has approved the reaccreditation of the International Institute of Ammonia Refrigeration (IIAR), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on IIAR-sponsored American National Standards, effective November 11, 2015. For additional information, please contact: Mr. Eric M. Smith, P.E., Vice-President & Technical Director, International Institute of Ammonia Refrigeration, 1001 N. Fairfax Street, Suite 503, Alexandria, VA 22314; phone: 703.312.4200; e-mail: eric.smith@iiar.org.

International Organization for Standardization (ISO)

New Work Item Proposal

Consumer warranties and guarantees

Comment Deadline: December 4, 2015

COPOLCO (ISO's Policy Group on Consumer Issues) has submitted to ISO a proposal for a new ISO standard regarding Guidelines on consumer warranties and guarantees, with the following scope statement:

The standard is intended for use by producers or sellers of goods and services to offer best practices and requirements for effective warranties when these are provided with goods and services.

It should be noted that COPOLCO had previously submitted this proposal in 2012. While the proposal passed ISO membership voting, it has not been able to proceed due to lack of an ISO national standards body wishing to assume the committee secretariat. The ISO national standards body for Malaysia (DSM) has now indicated its interest in assuming this secretariat. However, as at least three years have now passed since this proposal was voted, ISO/CS has made the decision that the proposal should be subjected to ISO member voting again to confirm consensus support for it. For your reference, in 2012 the ANSI ISO Council (AIC) approved the ANSI position to oppose the proposal with a number of comments.

Anyone wishing to review the new work item proposal, or the comments submitted and approved in 2012, can request a copy of the proposal or comments by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 4, 2015.

U.S. Technical Advisory Groups

Approval of TAG Accreditation

U.S. TAG to ISO PC 286 – Collaborative Business Relationship Management – Framework

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO PC 286, Collaborative business relationship management – Framework, under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities (Annex A of the ANSI International Procedures) and with the Association of Strategic Alliance Professionals (ASAP) serving as TAG Administrator, effective November 10, 2015. For additional information, please contact: Ms. Norma Watenpugh, Director, Association of Strategic Alliance Professionals, 2595 Roop Road, Gilroy, CA 95020; phone: 408.848.9514; e-mail: Normaw@phoenixcg.com.

Information Concerning

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Halal

Comment Deadline: December 11, 2015

ESMA, the ISO member body for the United Arab Emirates, has submitted to ISO a proposal for a new field of ISO technical activity on Halal, with the following scope statement:

The Halal Technical Committee will draft International Standards for Halal products and services, including requirements for personnel competency requirements, management system requirements for organizations. This shall define and include best practices, policies, processes and guidelines for developing Halal Standards or other Technical Specification/requirements, Sampling and Testing Methods, as well as sector application conformity assessment documents on Inspection, Certification, and Accreditation. Sector applications of Conformity Assessment standards shall be developed in a Joint Working Group (JWG) under the leadership of CASCO using the CASCO toolbox. In addition these standards will promote mutual recognition and acceptance of national and regional Conformity Assessment Systems and Marks/labeling standards.

This committee shall also include market monitoring procedures and applicable corrective actions in local and international settings, such as rapid exchange of information and alert systems, recalls and other mitigating measures.

Halal products and services include food (fresh, frozen, processed etc.), beverages, cosmetics and personal care, pharmaceuticals, apparel, logistics, finance, tourism and hospitality and more.

Excluded:

- Matters not falling under scope and not applicable to the Halal concept;
- Generic food standards falling under the scope of ISO/TC 34 Food products;
- Clothing and textile standards falling under the scope of ISO/TC 38 Textiles and ISO/TC 133 Clothing sizing systems - size designation, size measurement methods and digital fittings;
- Pharmaceutical standards falling under the scope of ISO/TC 76, Transfusion, infusion and injection equipment for medical and pharmaceutical use; ISO/TC 194 Biological and clinical evaluation of medical devices, and ISO/TC 212 Clinical laboratory testing and in vitro diagnostic test systems;
- Generic packaging standards falling under the scope of ISO/TC 122 Packaging;
- Generic cosmetics standards falling under the scope of ISO/TC 217 Cosmetics;
- Generic tourism and related services standards falling under the scope of ISO/TC 228 Tourism and related services; and
- Consumer Policy standards falling under the scope of COPOLCO.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 11, 2015.

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NSF International Standard for Food Equipment –

Food equipment

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2 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below.

ANSI Z97.1 – 2004, *Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings*

ANSI/ASHRAE 72 – 2005 2014, *Method of Testing Open and Closed Commercial Refrigerators and Freezers*

ANSI/UL 471 – 2006, *Standard for Commercial Refrigerators and Freezers*

ANSI/UL 197 – 2004. *Standard for Commercial Electric Cooking Appliances*

ASHRAE Refrigeration Handbook

ASTM A653/A653M, *Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot Dip Process*, Vol. 01.06

ASTM A924/A924M, *Specification for General Requirements Steel Sheet, Metallic-Coated by the Hot Dip Process*, Vol. 01.06

BS857:1967. *Specification for safety glass for land transport*

IEEE/ASTM SI 10-2002, *Standard for the Use of the International System of Units (SI): The Modern Metric System*

NSF/ANSI 2. *Food equipment*

NSF/ANSI 51. *Food equipment materials*

NSF/ANSI 170. *Glossary of food equipment terminology*

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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 Chemicals– Health Effects

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3 General requirements

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3.2 Formulation submission and review

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3.2.3 If the finished product contains water, the formulation information provided by the manufacturer shall be reviewed to determine if the water source used in the manufacturing of the finished product requires testing.

3.2.3.1 Water sources that require testing include, but are not limited to, the following: non-treated surface water; non-treated ground water; non-treated rain water; and water collected from other non-treated sources. Testing of water sources shall include the following analyses; metals, VOCs, base/neutral/acid scan, radionuclides, herbicides/pesticides, and dioxin/furan scan.

3.2.3.2 Water sources that do not require testing include the following: treated or non-treated water sources that comply with state or national drinking water standards, deionized water, distilled water, demineralized water, water treated on-site to drinking water quality with the exception of disinfection, drinking water treated with a reverse osmosis system, and ground water treated on-site to drinking water quality or a higher purity grade ~~and recirculated water or condensate water originating from water sources that do not require testing.~~

NOTE 1 - Testing related to water sources may be performed on the finished product or on a separate water sample; however, any test conducted on the finished product itself, as part of such product's certification testing battery, may be omitted from testing performed on a separate water sample.

NOTE 2 – Metals analysis shall include antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, and thallium.

Reason: (1) Section IDs added to these two paragraphs to enable citation from another section of the standard. (2) "...recirculated water or condensate water originating from water sources that do not require testing" were removed from this section as they can have many different type of chemicals added to them (corrosion and scale control, biocides, etc.) and the appropriateness of any needs to be considered on a case-by-case basis.

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3.6 Formulation control

The manufacturer shall have practices in place to ensure that the product is manufactured according to the approved formulation, and to ensure that no changes in manufacturing processes, product composition, or raw materials can occur without prior authorization by the certification body. The practices shall ensure that no contamination is introduced by product packaging, transfer and storage equipment, or dilution water. Containers shall either be dedicated to one category of chemical, or written records of cleaning (e.g. wash tickets) must be available for review. Documentation of these practices shall be available for review.

3.6.1 Hazard assessment procedures for process water

3.6.1.1 If the finished product contains water supplied by a public water system, the manufacturer shall have procedures in place that identify steps to be taken when utilities issue warnings such as a boil water alert, or do not drink, or do not use order.

3.6.1.2 If the finished product contains water sourced through other than a public water system, the manufacturer shall have procedures that periodically monitor the water for chemicals of concern. The procedure shall also specify treatment the source water, or preclude its use, when significant quality changes may introduce unacceptable levels of contaminants to the product.

NOTE – Significant water quality changes can occur seasonally, after heavy rains or droughts, or other events such as chemical spills. Manufacturers need processes in place that identify steps to be taken when utilities issue warnings such as a boil water alert, or do not drink, or do not use order. Similar hazards can occur with non-utility waters. Steps need to be taken to reduce the potential contamination of treatment chemicals during these periods of varying water quality.

Reason: See **NOTE** text above.

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5 Chemicals for corrosion and scale control, softening, precipitation, sequestering, and pH adjustment

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5.3 General requirements

General information and evaluation requirements for the products covered in this section are summarized in Table 5.1.

5.3.1 Minimizing risk for pathogen transmittal in chemicals

To minimize the risk for pathogen transmittal in chemicals evaluated under this section, those that contain water in the finished product shall only be produced using waters meeting the criteria of 3.2.3.2.

NOTE: The chemicals in section 5 may be added to drinking water post disinfection or in drinking water systems not adding disinfectant to the treated water. As such, this section is intended to minimize the potential for pathogen introduction from treatment chemicals where other measures are not in place to prevent it.

The following water treatment chemicals are exempted from this restriction.

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- Those with a pH less than or equal to 2 or greater than or equal to a pH of 11, or
- Those where the product literature limits the use of the treatment chemical to applications where the water is disinfected post addition of the chemical.

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7 Miscellaneous treatment applications

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7.3 General requirements

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7.3.4 Minimizing risk for pathogen transmittal in chemicals

To minimize the risk for pathogen transmittal in chemicals evaluated under this section, those that contain water in the finished product shall only be produced using waters meeting the criteria of 3.2.3.2.

NOTE: The chemicals in section 7 may be added to drinking water post disinfection or in drinking water systems not adding disinfectant to the treated water. As such, this section is intended to minimize the potential for pathogen introduction from treatment chemicals where other measures are not in place to prevent it.

The following water treatment chemicals are exempted from this restriction.

- Those with a pH less than or equal to 2 or greater than or equal to a pH of 11, or
- Those where the product literature limits the use of the treatment chemical to applications where the water is disinfected post addition of the chemical.

Reason: This language was added directly to Sections 5 and 7 because all of the chemicals noted with either a potential to be used post disinfection or used on a water system which doesn't add disinfectant fall under these sections only.

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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 Chemicals– Health Effects

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2 Definitions

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2.x chain of custody: A record documenting the existence of positive control and security over an item with counter signatures or other acknowledgements (receiver/deliverer) at each stage of transition of control/security responsibility.

2.x bonded individual: A bond is a promise that a contractor, or driver, will fulfill his obligations. If a driver is bonded, a third-party company or his trucking company backs his performance and promises he will complete the task as agreed upon. Therefore, a bond provides assurance that the contracted work will be satisfactorily completed. If a loss occurs, however, a separate insurance policy may be required to cover the property, not the bond.

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3 General requirements

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3.9 Product security

Products to be sold for drinking water treatment applications¹ shall be protected to maintain the quality required by this standard. Appropriate, effective measures shall be made to control access to products at all points of manufacturing, blending, diluting, packaging, repackaging, storage, shipping and handling and to provide the manufacturer and the purchasing user of product with the ability to detect tampering (see Annex F).

3.9.1 Definition of tamper-evident packaging

Packaging having one or more indicators or barriers to entry which, if breached or missing, can reasonably be expected to provide visible evidence that tampering has occurred.

3.9.2 Security requirements for packaged products

Packaged product shall be stored, shipped, and delivered in tamper-evident packaging as defined in Section 3.9.1. Properly constructed, labeled, and sealed multi-wall containers such as bags and fiber drums constitute two forms of acceptable tamper-evident packaging.

¹ Refer to Annex F for a list of product categories that are exempt from product security requirements.

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Smaller containers do not require individual tamper evident seals when shipped in a larger container from the manufacturer with acceptable seals or closures on the larger container as noted in the prior paragraph, provided the smaller containers are not intended to be sold individually as certified product (i.e., not labeled for individual sale/use for drinking water applications).

3.9.2.1 Bags and super sacks

Packages for product shipped without reusable openings shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. The packages shall display the company's name, and employ seals that are destroyed upon opening, or that make resealing unlikely (e.g. serialized tags), or other equivalent tamper-evident measures so that once opened, the tamper-evident feature of the seal on the packaging ~~cannot be restored nor readily duplicated~~ is unable to be restored or readily duplicated.

3.9.2.2 Drums and small containers

Drums and small containers used for product shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. Openings in the containers shall be sealed with tamper-evident seals and the packages shall display the company's name. Packages shall employ seals that are destroyed upon opening, or that make resealing unlikely (e.g. ultrasonic seals), or other equivalent tamper-evident measures so that once opened, the tamper-evident feature of the seal ~~cannot~~ is unable to be restored nor readily duplicated.

Reason: This text was revised as the guidelines for standards prohibit the use of the work "cannot".

3.9.3 Security requirements for bulk shipments and large reusable containers (totes)

~~Bulk quantities of product~~ Drinking water treatment chemicals shipped in bulk² shall be secured during storage and distribution by employing one or more of the following security measures (see 3.9.3.1, 3.9.3.2 and 3.9.3.3). These requirements are applicable to a single load delivered to one or to multiple locations³. This requirement applies ~~to all tank truck chemical deliveries, and to railcar chemical deliveries that are direct to drinking water utilities or to other end users involved in the addition of the delivered chemical to drinking water; and to truck deliveries whether to a single destination or by milk run deliveries.~~

3.9.3.1 Tamper-evident seals

~~Bulk shipping containers~~ Containers used for bulk shipments shall have tamper protection provided at all openings capable of loading or unloading chemicals. Vents shall have tamper protection provided unless they are protected by construction that makes them incapable of receiving chemicals. Bulk ~~shipping~~ containers may be sealed with a uniquely numbered, non-reusable, tamper-evident seal on each opening in the ~~shipping~~ container. If tamper-evident seals are used, the seals shall remain in place until removed at the point of delivery. Seal numbers shall be recorded and disclosed on shipping documents provided to the purchaser at the time of delivery and kept available for review by the certification body. If tamper-evident seals are used in milk run deliveries, a new seal shall be applied after each partial off-loading and noted in the consignment records after each partial delivery.

² The term "bulk" is used for shipments being transported in a container having a volume of more than 1,000 L and applies to containers holding solid, liquid and gaseous products. Such containers can be multi-modal containers, tank trucks or tank cars appropriate to the physical characteristics of the product being transported.

³ Multiple destination shipments are referred to as "milk run deliveries".

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3.9.3.2 Chain of custody

An auditable continuous chain of custody protocol may be used to document record secure distribution of product. Maintaining a continuous chain of custody requires that the product is under the continuous control of bonded and designated responsible individuals, that direct access to the product is restricted to those individuals, and that the shipping container is sealed or locked or secured at all times during shipping transport from the place of shipment to the place of delivery. If chain of custody is used, a copy of a completed, signed chain of custody form record showing continuous and secure custody between the certification holder and to the purchaser shall be provided by the transporter to the certification holder and to the purchaser at the time of delivery. The completed chain of custody record returned to the certification holder shall be and kept available for review by the certification body.

NOTE - For the custody procedure during transport by road of certain drinking water treatment chemicals, there may be a requirement for two persons to be assigned to the distribution activity, with the vehicle being under the direct supervision of at least one person at all times.

Where a paper-based chain of custody procedure is used for milk run deliveries, the documentation shall have sufficient copies that a copy of the documentation shall be signed and provided to each consignee noting the quantity delivered at that destination, and the balance remaining in the shipment. A copy of the complete series of deliveries shall be provided by the transporter to the certification holder.

Where an electronically-based chain of custody procedure is used for milk run deliveries, the record of the custody and deliveries shall be provided by the transporter to the certification holder.

NOTE - It is normal transport procedure for the transporter to retain duplicate records of all cargo acceptances and deliveries, including chain of custody documents or records. These may be accessed if necessary to verify chain of custody.

3.9.3.3 Alternative method

An alternative method or methods⁴ agreed upon by the certification holder and the purchaser may be used for bulk shipments if the alternative method provides protection against tampering that is equivalent to this Standard. If alternative methods are used, the agreement with the purchaser and description of the alternative methods shall be in written form and kept available for review by the certification body.

3.9.4 Tamper-evident integrity

The tamper-evident features employed on all final product packaging, seals, and bulk shipping containers used for bulk shipments shall be designed to remain intact when handled in a reasonable manner during manufacture, storage, shipment and delivery to the purchaser.

⁴ Alternative methods may include secured electronic tracking and communication methods.

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NSF International Standard for Dietary Supplements —

Dietary supplements

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5.6 Caffeine

Supplements containing caffeine shall have caffeine content tested and verified. The amount of caffeine consumed shall not exceed 200 mg/serving every 4 hours and 800 mg/day. The product use instructions shall indicate no more than 200 mg of caffeine is to be consumed every 4 hours. In addition, if the product contains caffeine in the amount of 100 mg/serving or greater the following warnings (or equivalent) must be present on the label:

Do not use if sensitive to caffeine.

Not recommended for use by children under 18 years of age.

Not recommended for use by pregnant or nursing women.

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NSF International Standard for Dietary Supplements —

Dietary supplements

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5 Product requirements

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5.5 Oils

Supplements containing oils, listed in the attached table, at greater than 2% by weight of the formulation shall demonstrate non-rancidity of the ingredients by having a peroxide value (PV) less than 10 milliequivalents/Kg oil, a p-anisidine value (p-AV) less than 20, and a total oxidation (Totox) number (p-AV + 2PV) less than 26.

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7 Test methods used by testing laboratories for detection of contaminants – raw materials and finished products

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7.4 Test methods for chemical contaminants

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Unless a manufacturer has controls in place to assess the rancidity of oil ingredients, the following testing shall be performed. The Peroxide Value of the oil shall be tested according to AOAC Method 965.33⁷ (which is equivalent to AOCS 8-53⁷). The p-Anisidine Value of the oil shall be tested by AOCS Cd 18-90⁷. The Totox Number shall be calculated as the sum of the p-Anisidine Value and two times the Peroxide Value.

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8 Good Manufacturing Practices

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8.5 Requirement for Oils

For products containing oils listed in Annex A, Table A2, manufacturers shall have controls in place to assess and prevent rancidity. Written procedures shall be established and followed.

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Annex A
(normative)

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Table A2 Oils to be Tested for Rancidity

Oil Type*	Notes
Almond Oil	
Borage Oil	
Canola Oil	
Chia Seed Oil	
Coconut Oil	
Corn Oil	
Cottonseed Oil	
Evening Primrose Oil	
Fish and Marine Oil	Includes menhaden oil, cod liver oil, salmon oil, krill and combinations of oils from aquatic species
Flax Seed Oil	Also known as linseed oil
Olive Oil	For “Extra Virgin” grades of Olive Oil, only the peroxide value requirement of less than 10meq/Kg oil applies. Due to inherent flavor components that interfere with the p-anisidine test, this test requirement and the ToTox limit is waived.
Palm Oil	
Peanut Oil	
Pumpkin Seed Oil	
Rapeseed Oil	
Safflower Oil	
Shea Nut Oil	
Soybean Oil	
Sunflower Oil	
Walnut Oil	
Wheat Germ Oil	

*Acceptance criteria: — Peroxide value (PV) less than 10 milliequivalents/Kg oil
p-anisidine value (p-AV) less than 20
Total oxidation (Totox) number (p-AV + 2PV) less than 26.

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Oils that are combinations of listed oils or derived from oils on this list are to be considered included under the **rancidity control plan test requirement** (examples, vegetable oil or diacylglycerol oil).

BSR/UL 705, Standard for Safety for Power Ventilators

1. Addition of a New Appendix to Provide Examples of Controls Intended to be Used as Operating or Protective Controls.

30A.3.1 The following test parameters shall be among the items considered when judging the acceptability of an operating control investigated using the Standard for Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements, UL 60730-1. Appendix A provides more examples of controls intended to be used as ~~protective~~ operating controls:

- a) Control Types 1 or 2;
- b) Unless otherwise specified in this standard, manual and automatic controls shall be tested for 6,000 cycles with under maximum normal load conditions, and 50 cycles under overload conditions;
- c) Installation Class 2 in accordance with Electromagnetic Compatibility (EMC) - Part 4-5: Testing Measurement Techniques - Surge Immunity Test, IEC 61000-4-5;
- d) For the applicable Overvoltage Category, see Table 30A.1;
- e) For the applicable Material Group, see Table 30A.2; and
- f) For the applicable Pollution Degree, see Table 30A.3.

APPENDIX A Examples of Controls Performing as Operating or Protective Controls (Informative)

Purpose of Control	Operating or Protective Control?
De-energizes ventilator in the event of motor-locked rotor operation.	Protective
Prevents loss of ventilator operation while equipment is energized and operating as intended.	Operating
Prevents motor overload (over-temperature or overcurrent) as required by Section 13.	Protective
Prevents automatic restarting after operation of a protective circuit which de-energizes the ventilator where there is a risk of injury due to moving parts.	Protective
Regulates motor speed only (not combined with a motor overload or motor protective control)	Operating
Regulates motor speed and is combined with a motor overload or motor protective control.	Protective
Limits the temperatures within the ventilator during abnormal conditions or under conditions not intended for the normal operation of the ventilator.	Protective
Regulates the temperatures within the ventilator during normal, intended conditions.	Operating
<u>Note - This table is not all-inclusive, it is intended only to provide examples of controls performing as operating or protective.</u>	