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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 28, 2014

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME ANDE-1-201x, ASME Nondestructive Examination and Quality Control Central Qualification and Certification Program (new standard)

This Standard includes both performance-based and prescriptive requirements to be used for an ASME Nondestructive Examination and Quality Control Central Qualification and Certification Program that applies to NDE personnel and QC Inspection personnel.

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

Send comments (with copy to psa@ansi.org) to: Steven Biondi, (212) 591-7150, biondis@asme.org

NSF (NSF International)

Revision

BSR/NSF 14-201x (i70r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i74r5), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)

This Standard covers materials, components, products, equipment, and systems, related to public and residential recreational water facility operation.

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

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i77r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)

This Standard covers materials, components, products, equipment, and systems, related to public and residential recreational water facility operation.

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

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 332-201x (i8r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2012)

This Standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable resilient floor coverings. The Standard includes relevant criteria across the product(s) life cycle from raw material extraction through manufacturing, use, and end-of-life management. As used in this Standard, "resilient floor coverings" includes, but is not limited to, vinyl tile, vinyl composition tile, sheet vinyl, rubber, polymeric, and linoleum flooring products in which the wearing surface is non-textile. Also included are flooring accessories such as wall base, moldings, and stair treads. The Standard is applicable to products manufactured in one facility or multiple facilities, one country or multiple countries.

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

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 4200A-201x, Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium and Similar Technologies (new standard)

(1) Proposed first edition of the Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium and Similar Technologies, UL 4200A.

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

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseesele, (847) 664-2881, Megan.M.VanHeirseesele@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 558-201X, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2014)

UL proposes the removal of "G/LP" from Section 28.

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

Send comments (with copy to psa@ansi.org) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1254-201X, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units (revision of ANSI/UL 1254-2014)

UL proposes an editorial correction to the scope and new requirements for nozzle protective covers.

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

Send comments (with copy to psa@ansi.org) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

Comment Deadline: January 12, 2015

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 18250-8-201x, Connectors for reservoir delivery systems for healthcare applications - Part 8: Citrate-based anticoagulant solution for apheresis applications (identical national adoption of ISO 18250-8)

Specifies dimensions and basic material characteristics and performance requirements for the interfaces and the locking mechanism for the manufacture of connectors for citrate-based anticoagulant solution for apheresis applications.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?document_id=4832&wg_abbrev=PUBLIC_REV

Order from: https://standards.aami.org/kws/public/document?document_id=4832&wg_abbrev=PUBLIC_REV

Send comments (with copy to psa@ansi.org) to: Colleen Elliott, (703) 253-8261, celliot@aami.org

AIAA (American Institute of Aeronautics and Astronautics)

New Standard

BSR/AIAA S-017B-201x, Aerodynamic Decelerator and Parachute Drawings (new standard)

Establishes terminology for 270 terms critical to communication about the design and function of parachutes. It further sets requirements for the graphic description of materials, stitching, seams, view, and projections, with related dimensions and tolerances, all of which are consistent with current procurement practice.

Single copy price: Free

Obtain an electronic copy from: hillarywh@aiaa.org

Send comments (with copy to psa@ansi.org) to: Hillary Woehrle, (703) 300-7599, HWoehrle@aami.org; customerservice@aami.org

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S276.7 W/Corr.1 SEP2010 (R201X), Slow Moving Vehicle Identification Emblem (SMV Emblem) (reaffirmation of ANSI/ASAE S276.7 -2010)

Establishes specifications to define the Slow Moving Vehicle Emblem, used only for slow-moving machines (vehicles), when operated or traveling on public roads. Requirements and applications of the standard are defined in the standard which communicates to third parties the slower speed capabilities of the slow-moving vehicle to other vehicle(s) using public roads. Primary application of the SMV emblem will be with implements of husbandry but may be used with other machines or vehicles traveling at speeds less than 40 km/h (25 mile/h) and in combination with a Speed Information Symbol on vehicles which travel between 40 km/h (25 mile/h) and 65 km/h (40 mile/h).

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S376.2 JAN1998 (R201x), Design, Installation and Performance of Underground, Thermoplastic Irrigation Pipelines (reaffirmation of ANSI/ASAE S376.2-JAN98 (R2010))

This Standard applies to underground, thermoplastic pipelines used in the conveyance of irrigation water to the point of distribution and may or may not apply to potable water systems.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASSE (ASC A10) (American Society of Safety Engineers)

New Standard

BSR ASSE A10.21-201X, Safety Requirements for Safe Construction and Demolition of Wind Generation/Turbine Facilities (new standard)

This standard establishes the minimum requirements for protecting the safety and health of persons involved in construction and demolition operations addressing utility-scale land-based wind generation/turbine facilities.

Single copy price: \$57.00

Obtain an electronic copy from: TFisher@ASSE.Org

Order from: Timothy Fisher, (847) 768-3411, TFisher@ASSE.Org

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

AWS (American Welding Society)

New Standard

BSR/AWS B2.1-1/8-231:201X, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309, and E309-15, -16, or -17, or IN309, E309(L), and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (new standard)

This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding, with consumable insert root, followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications and the allowable joint designs for groove welds. This SWPS was developed primarily for pipe applications.

Single copy price: \$124.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWS (American Welding Society)**Revision**

BSR/AWS B2.1-1/8-010-201x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (revision of ANSI/AWS B2.1-1/8-010-2002)

This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 18 through 10 gauge, using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet welds and groove welds.

Single copy price: \$124.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWWA (American Water Works Association)**Revision**

BSR/AWWA B112-201x, Microfiltration and Ultrafiltration Membrane Systems (revision and partition of ANSI/AWWA B110-2009)

This standard sets minimum requirements for microfiltration (MF) and ultrafiltration (UF) membrane systems for water and reclaimed water filtration systems. This standard does not cover the membranes used in biological wastewater treatment, such as membrane bio-reactors.

Single copy price: \$20.00

Obtain an electronic copy from: v david@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; v david@awwa.org

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

CEA (Consumer Electronics Association)**New Standard**

BSR/CEA 2049-201x, Determination of Small Network Equipment Average Energy Consumption (new standard)

This standard defines a method for measuring Small Network Equipment (SNE) energy consumption and related items.

Single copy price: \$69.00

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@ce.org; dwilson@ce.org

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

CEA (Consumer Electronics Association)**Reaffirmation**

BSR/CEA 762-B-2009 (R201x), DTV Remodulator Specification (reaffirmation of ANSI/CEA 762-B-2008)

This standard defines minimum specifications for a one-way data path utilizing an 8-VSB trellis remodulator in compliance with ATSC A/53, Part 2:2007, ATSC Digital Television Standard Part 2 - RF/Transmission System Characteristics. This standard applies to any type of device used to connect to an ATSC-compliant digital television (DTV) receiver. Devices meeting this standard should interoperate with any ATSC-compliant receiver that also supports "monitor mode."

Single copy price: \$58.00

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@ce.org; dwilson@ce.org

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

CEA (Consumer Electronics Association)**Revision**

BSR/CEA 2034-A-201x, Standard Method of Measurement for In-Home Loudspeakers (revision and redesignation of ANSI/CEA 2034-2013)

This standard describes an improved method for measuring and reporting the performance of a loudspeaker in a manner that should help consumers better understand the performance of the loudspeaker and convey a reasonably good representation of how it may sound in a room based on its off-axis response and how this response affects the consumer's experience. Finally, it includes a number of informational annexes to help readers gain a more thorough understanding of techniques for acquiring loudspeaker data in both anechoic and non-anechoic environments, as well as methods for using this acquired data to predict loudspeaker performance. This standard applies only to loudspeaker systems, and not to raw transducers. This standard is being revised to align it with CEA-2010-B, Standard Method of Measurement for Powered Subwoofers.

Single copy price: \$103.00

Order from: standards@ce.org

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

ECA (Electronic Components Association)**New Standard**

BSR/EIA 974-201x, Specification for Mini Multilane 10 Gb/s 4X Common Elements Connectors (new standard)

This specification defines the terminology and physical requirements for the mating interface and physical characteristics of the Mini Multilane Connector. The dimensions specified apply to the various sizes.

Single copy price: \$60.00

Obtain an electronic copy from: global.ihs.com (877)413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-03C-2009 (R201x), Altitude Immersion Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-03C-2009)

This standard establishes a test method to determine the ability of the connector-to-wire and interface area seals of a mated connector assembly to perform satisfactorily during and subsequent to simulated rapid descents from high altitude with attendant moisture condensation.

Single copy price: \$70.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-04A-2009 (R201x), Normal Force Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-04A-2009)

This procedure establishes two methods to determine the magnitude of normal force, at the point of the electrical connection, generated by a contact system at a given deflection within its normal operating levels. This data and its relationship to contact pressure allows the electrical integrity and stability of the contact interface to be evaluated in proper perspective when integrated with other monitored attributes.

Single copy price: \$78.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-05B-2009 (R201x), Contact Insertion, Release and Removal Force Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-05B-2009)

This standard establishes a test method to determine the forces required to insert contacts into and remove contacts from their normal position in a connector.

Single copy price: \$69.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-08B-2009 (R201x), Crimp Tensile Strength Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-08B-2009)

This standard establishes a test method to determine the tensile strength of a crimped contact-to-conductor joint. The values obtained give an indication of the relative strength of the joints.

Single copy price: \$70.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-19A-2008 (R201x), Torsional Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-19A-2001 (R2008))

This standard establishes test methods to determine the ability of the insert retaining system to withstand the torsional stresses likely to be encountered during normal usage.

Single copy price: \$69.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-24B-2009 (R201x), Maintenance Aging Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-24B-2009)

This standard establishes a test method to assess the ability of a component to withstand stresses caused by repeated insertion and extraction of contacts during maintenance. This test procedure applies only to connector assemblies containing removable contacts and is to be used where a connector is to be stressed in the area of contact retention and conductor sealing.

Single copy price: \$69.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-30A-2009 (R201x), Capacitance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-30A-2002 (R2009))

This standard describes a test method to measure capacitance from 1 kHz to 1 MHz.

Single copy price: \$70.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-33A-2009 (R201x), Inductance Measurement Test Procedure for Electrical Connectors (100 nH-100 mH) (reaffirmation of ANSI/EIA 364-33A-2002 (R2009))

This standard describes a frequency domain test method for measuring self-inductance in the range of 100 nanohenrys to 100 millihenrys.

Single copy price: \$70.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

ECA (Electronic Components Association)**Reaffirmation**

BSR/EIA 364-37C-2009 (R201x), Contact Engagement and Separation Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-37C-2009)

This standard establishes test methods which, when required by the referencing document, shall be used for measuring the engagement and separation forces on contacts.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@ecianow.org

IWCA (ASC I14) (International Window Cleaning Association)**New Standard**

BSR/IWCA I 14.1-200x, Window Cleaning Safety (new standard)

The standard identifies accepted safety practices for window cleaning.

Single copy price: \$55.00

Obtain an electronic copy from: mbennett@offinger.com

Order from: Mark Bennett, (614) 501-1100 x3187, mbennett@offinger.com; alanb@everclearenterprises.com; sdbright@optonline.net

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

NASBLA (National Association of State Boating Law Administrators)**New Standard**

BSR/NASBLA 103-2015, Basic Boating Knowledge - Power (new standard)

This is the minimum required standard that applies to all basic boating courses in the U.S. States and territories and District of Columbia. Its purpose is to establish the national standard for use by course providers to meet the needs of recreational boaters for basic boating knowledge in order to identify and reduce primary risk factors and mitigate their effects on recreational boating.

Single copy price: Free

Obtain an electronic copy from: [http://nasbla.org/files/Dillon/ESP/NASBLA-103-2015%20Basic%20Boating%20Knowledge%20%E2%80%93%20Power%20\(w%20cover\)%20-%20FINAL.pdf](http://nasbla.org/files/Dillon/ESP/NASBLA-103-2015%20Basic%20Boating%20Knowledge%20%E2%80%93%20Power%20(w%20cover)%20-%20FINAL.pdf)

Order from: Pamela Dillon, pam@nasbla.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)**New Standard**

BSR C136.30-201X, Standards for Roadway and Area Lighting Equipment - Pole Vibration (new standard)

This guide covers the minimum vibration withstand requirements and testing procedures for poles used in roadway and area lighting. The guide is intended for poles of 50 ft mounting height and under.

Single copy price: \$50.00

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

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

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

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

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

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

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

Obtain an electronic copy from: rrouse@tcia.org

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

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

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

BSR/UL 474-201x, Standard for Safety for Dehumidifiers (revision of ANSI/UL 474-2013)

The following is being proposed: (1) Addition of supplement for requirements for alternative path for electronic controls.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 484-201x, Standard for Safety for Room Air Conditioners (revision of ANSI/UL 484-2014)

The following is being proposed: (1) Addition of supplement for requirements for alternative path for electronic controls; and (2) Revisions to requirements regarding flammable refrigerants.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: January 27, 2015**AGMA (American Gear Manufacturers Association)****New Standard**

BSR/AGMA 6102-C201x, Design Guide for Vehicle Spur and Helical Gears (Metric Edition) (new standard)

This standard provides information on the design of spur and helical vehicle power transmission gears. Included are considerations for design, material and heat treatment, determination of load capacity, mounting features, and typical design problems.

Single copy price: \$72.00

Order from: Amir Aboutaleb, (703) 684-0211, aboutaleb@agma.org

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

AGMA (American Gear Manufacturers Association)**Revision**

BSR/AGMA 6002-C201x, Design Guide for Vehicle Spur and Helical Gears (revision and redesignation of ANSI/AGMA 6002-B93 (R2014))

This standard provides information on the design of spur and helical vehicle power transmission gears. Included are considerations for design, material and heat treatment, determination of load capacity, mounting features, and typical design problems.

Single copy price: \$72.00

Order from: Amir Aboutaleb, (703) 684-0211, aboutaleb@agma.org

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

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

BSR/IEEE 45.5-201x, Recommended Practice for Electrical Installations on Shipboard - Safety Considerations (new standard)

The recommendations for the design to improve electrical safety on shipboards are established by this document. These recommendations reflect the technologies, engineering methods, and engineering practices in effect when this document is issued.

Single copy price: 114.00 (pdf); \$140.00 (printed)

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

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

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

BSR/IEEE 837-2014, Standard for Qualifying Permanent Connections Used in Substation Grounding (new standard)

This standard provides direction and methods for qualifying permanent connections used for substation grounding. It particularly addresses the connection used within the grid system, the connection used to join ground leads to the grid system, and the connection used to join the ground leads to equipment and structures.

Single copy price: 88.00 (pdf); \$109.00 (printed)

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

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

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

BSR/IEEE 1232.3-201x, Guide for the Use of Artificial Intelligence Exchange and Service Tie to All Test Environments (AI-ESTATE) (new standard)

The AI-ESTATE User Guide provides guidance to developers of IEEE Std 1232-conformant diagnostic applications that utilize the models, services, or exchange formats specified by IEEE Std 1232.

Single copy price: 167.00 (pdf); \$201.00 (printed)

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

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

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

BSR/IEEE 1708-201x, Standard for Wearable Cuffless Blood Pressure Measuring Devices (new standard)

It is intended to establish a standard for the objective performance evaluation of wearable cuffless blood pressure (BP) measurement devices. The standard is independent of the form of the device or the vehicle the device is attached to or embedded in. The standard is applicable to all types of wearable BP measurement devices that have different modes of operation (e.g., to measure short-term, long-term, snapshot, continuous, beat(s)-to-beat(s) BP, or BP variability).

Single copy price: 67.00 (pdf); \$83.00 (printed)

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

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

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

BSR/IEEE 1801a-201x, Standard for Design and Verification of Low-Power Integrated Circuits - Amendment 1 (new standard)

This amendment specifies the set of changes required to address technical and editorial errors that have been identified in the IEEE1801-2013 standard. In addition this amendment also specifies a few changes and enhancements to remove some ambiguities and inconsistencies related to the semantics of power states, power supplies, precedence rules, and location of power management cells.

Single copy price: \$printed: 109.00

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

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

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

BSR/IEEE 3003.2-201x, Recommended Practice for Equipment Grounding and Bonding in Industrial and Commercial Power (new standard)

This recommended practice covers the grounding and bonding of equipment in industrial and commercial power systems. The interconnection and grounding of the non-electrical metallic elements of a system is covered first. This is followed by a discussion of the objectives of equipment grounding, including minimizing electric shock hazard to personnel, providing adequate current carrying capability for ground faults, and ensuring the timely operation of overcurrent protection.

Single copy price: 67.00 (pdf); \$83.00 (printed)

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

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

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

BSR/IEEE 11073-10424-201x, Health informatics - Personal health device communication - Part 10424: Device Specialization - Sleep Apnoea Breathing Therapy Equipment (SABTE) (new standard)

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between sleep apnoea breathing therapy equipment and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards.

Single copy price: 165.00 (pdf); \$201.00 (printed)

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

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

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

BSR/IEEE 11073-10425-201x, Health informatics - Personal health device communication - Part 10425: Device Specialization -Continuous Glucose Monitor (CGM) (new standard)

The scope of this standard is to establish a normative definition of communication between personal health Continuous Glucose Monitor (CGM) devices (agents) and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages work done in other ISO/IEEE 11073 standards including existing terminology, information profiles, application profile standards, and transport standards.

Single copy price: 114.00 (pdf); \$140.00 (printed)

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

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

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

BSR/IEEE 11073-20601-2014, Health informatics - Personal health device communication - Part 20601: Application profile - Optimized Exchange Protocol (revision of ANSI/IEEE 11073-20601-2008)

Within the context of the ISO/IEEE 11073 Personal Health Device standard family, this standard defines an optimized exchange protocol and modeling techniques to be used by implementers of personal health devices to create interoperability between device types and vendors. This standard establishes a common framework for an abstract model of personal health data available in transport independent transfer syntax required to establish logical connections between systems, provide presentation capabilities and services needed to perform communication tasks.

Single copy price: 241.00 (pdf); \$289.00 (printed)

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

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

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

BSR/IEEE C37.26-201x, Guide for Methods of Power-Factor Measurement for Low-Voltage (1000 V AC or lower) Inductive Test Circuits (revision of ANSI/IEEE C37.26-2003 (R2009))

This guide describes three methods used in the measurement of the power factor of inductive low-voltage (1000 volts and below) test circuits. These methods may be used at any frequency; however, the values in the tables are specifically for 60 Hz test circuits. These methods are: (a) Ratio method, (b) DC decrement method, and (c) Phase relationship method.

Single copy price: 47.00 (pdf); \$57.00 (printed)

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

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

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

BSR/IEEE C57.12.38-2014, Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers 250 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 V and Below; Low Voltage, 480/240 V and Below (revision of ANSI/IEEE C57.12.38-2009)

This standard covers certain electrical, dimensional, mechanical characteristics and safety requirements of single-phase, 60 Hz, liquid-filled, self-cooled, pad-mounted, compartmental-type distribution transformers. These transformers are rated 250 kVA and smaller, with the high voltages of 34 500 GrdY/19 920 V and below for operation between one phase and grounded neutral, and low voltage of 480/240 V and below. These transformers are generally used for step-down purposes from an underground primary cable supply. This standard covers the connector, bushing, and terminal arrangements for radial or loop feed systems.

Single copy price: 67.00 (pdf); \$83.00 (printed)

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

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

Technical Reports Registered with ANSI

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Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/IEC TR 80001-2-5-2014, Application of risk management for IT-networks incorporating medical devices - Part 2-5: Application guidance - Guidance on distributed alarm systems (Technical Report) (technical report)

This Technical Report gives guidance and practical techniques for responsible organizations, medical device manufacturers, and providers of other information technology in the application of IEC 80001-1:2010 for the risk management of distributed alarm systems. This Technical Report applies to the transmission of alarm conditions between sources, integrator, and receivers where at least one source is a medical device and at least one communication path utilizes a medical IT-network. It provides recommendations for the integration, communication of responses and redirection (to another operator) of alarm conditions from one or more sources to ensure safety, effectiveness, and data and systems security.

Single copy price: \$78.00 (AAMI members)/\$130 (non-members)

Order from: Will Vargas, (703) 647-2779, wvargas@aami.org

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

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO/TR 37137-2014, Cardiovascular biological evaluation of medical devices - Guidance for absorbable implants (Technical Report) (technical report)

The objective of this Technical Report is to provide interim Part-by-Part guidance on potential adjustments to various test methods within the 10993 series to account for the intentional release of soluble components or degradation products from absorbable medical devices. The content is intended to add clarity and present potentially acceptable approaches for reducing the possibility of erroneous or misleading results due to the nature of the absorbable material. All suggestions should be considered as preliminary and subject to change, with final dispositions implemented through direct modification to the respective parts of ISO 10993. Thus, interim adoption of any of the described adjustments requires an accompanying written justification.

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

Order from: Susan Gillespie, (703) 525-4890, sgillespie@aami.org

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

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO/TR 80001-2-7 Ed. 1.0-2014, Application of risk management for IT-networks incorporating medical - Application guidance - Part 2-7: Guidance for Healthcare Delivery Organizations (HDOs) on how to self-assess their conformance with IEC 80001-1 (Technical Report) (technical report)

The purpose of this technical report is to provide guidance to HDOs on self-assessment of their conformance against IEC 80001-1. The purpose of this technical report is to:

- (1) provide guidance to HDOs on self-assessment of their conformance against IEC 80001-1;
- (2) provide an exemplar assessment method which can be used by HDOs in varying contexts to assess themselves against IEC 80001-1;
- (3) define a PRM comprising a set of processes, described in terms of process purpose and outcomes that demonstrate coverage of the requirements of IEC 80001-1; and
- 4) define a PAM that meets the requirements of ISO/IEC 15504-2 and that supports the performance of an assessment by providing indicators for guidance on the interpretation of the process purposes and outcomes as defined in IEC 80001-1 (PRM) and the process attributes as defined in ISO/IEC 15504-2.

This technical report does not introduce any requirements in addition to those expressed in IEC 80001-1.

Single copy price: \$102.00 (AAMI members)/\$170.00 (non-members)

Order from: Will Vargas, (703) 647-2779, wvargas@aami.org

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

Projects Withdrawn from Consideration

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

ISA (International Society of Automation)

BSR/ISA 97.00.01-201x, Face-to-face Dimensions of Flanged Vortex Flowmeters (new standard)

Inquiries may be directed to Linda Wolfe, (919) 990-9257, lwolffe@isa.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/ASTM/ISO 15002-2004, Flow-metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems, Adoption of ISO 15002 as an American National Standard (with Deviations)

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/ASTM/ISO 21647-2006, Medical Electrical Equipment - Particular requirements for the basic safety and essential performance of respiratory gas monitors

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/ASTM/IEC 60601.2.12-2009, Medical Electrical Equipment - Part 2-12; Particular Requirements for the Safety of Lung Ventilators - Critical Care Ventilators with Deviations by ASTM International

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/ASTM/ISO 5360-2009, Anesthetic Vaporizers - Agent-Specific Filling Systems with Deviations by ASTM International

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/ASTM/ISO 9919-2009, Medical Electrical Equipment-Particular Requirements for the Basic Safety and Essential Performance of Pulse Oximeter Equipment for Medical Use

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/AAMI/ISO 5359-2003, Low-pressure hose assemblies for use with medical gases

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

Call for Members (ANS Consensus Bodies)

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

AIAA (American Institute of Aeronautics and Astronautics)

Office: 1801 Alexander Bell Dr.
Reston, VA 20191

Contact: *Hillary Woehrle*

Phone: (703) 264-7546

E-mail: hillaryw@aiaa.org

BSR/AIAA S-017B-201x, Aerodynamic Decelerator and Parachute Drawings (new standard)

Obtain an electronic copy from: hillarywh@aiaa.org

BSR/AIAA S-102.2.4-201x, Capability-Based Product Failure Mode, Effects and (revision of ANSI/AIAA S-102.2.4-2008)

ASSE (ASC A10) (American Society of Safety Engineers)

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Contact: *Timothy Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE A10.21-201X, Safety Requirements for Safe Construction and Demolition of Wind Generation/Turbine Facilities (new standard)

Obtain an electronic copy from: TFisher@ASSE.Org

ECA (Electronic Components Association)

Office: 2214 Rock Hill Road
Suite 170
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 974-201x, Specification for Mini Multilane 10 Gb/s 4X Common Elements Connectors (new standard)

Obtain an electronic copy from: global.ihs.com (877)413-5184

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

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

Contact: *Rachel Porter*

Phone: (202) 626-5741

Fax: 202-638-4922

E-mail: comments@itic.org

BSR/INCITS 543-201X, Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (new standard)

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

IWCA (ASC I14) (International Window Cleaning Association)

Office: 1100-H Brandywine Blvd
Zanesville, OH 43701-7303

Contact: *Mark Bennett*

Phone: (614) 501-1100 x3187

Fax: (614) 501-1101

E-mail: mbennett@offinger.com

BSR/IWCA I 14.1-200x, Window Cleaning Safety (new standard)

Obtain an electronic copy from: mbennett@offinger.com

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Contact: *Megan Hayes*

Phone: (703) 841-3285

Fax: (703) 841-3385

E-mail: megan.hayes@nema.org

BSR C136.30-201X, Standards for Roadway and Area Lighting Equipment - Pole Vibration (new standard)

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

BSR C136.35-201X, Standard for Roadway and Area Lighting Equipment - Luminaire Electrical Ancillary Devices (LEAD) (revision of ANSI C136.35-2009 (R2014))

NSF (NSF International)

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

Contact: *Mindy Costello*

Phone: (734) 827-6819

Fax: (734) 827-7875

E-mail: mcostello@nsf.org

BSR/NSF 14-201x (i70r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

BSR/NSF 332-201x (i8r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2012)

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Office: 1700 N. Moore Street
Suite 1540
Arlington, VA 22209-1903

Contact: *Yvonne Meding*

Phone: (703) 524-6686

Fax: (703) 524-6630

E-mail: YMeding@resna.org

BSR/RESNA SS-1-201x, RESNA Standard for Support Surfaces - Volume 1: Requirements and Test Methods for Full Body Support Surfaces (revision and redesignation of ANSI/RESNA SS-1-2014)

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.

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

New Standard

ANSI/AHRI Standard 610 (I-P)-2014, Performance Rating of Central System Humidifiers for Residential Applications (new standard): 11/19/2014

ANSI/AHRI Standard 611 (SI)-2014, Performance Rating of Central System Humidifiers for Residential Applications (new standard): 11/19/2014

ANSI/AHRI Standard 620 (I-P)-2014, Performance Rating of Self-contained Humidifiers for Residential Applications (new standard): 11/19/2014

ANSI/AHRI Standard 621 (SI)-2014, Performance Rating of Self-contained Humidifiers for Residential Applications (new standard): 11/19/2014

ANSI/AHRI Standard 1500-2014, Method to Determine Efficiency of Commercial Space Heating Boilers (new standard): 11/19/2014

Revision

ANSI/AHRI Standard 1160 (I-P)-2014, Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1160 (I-P)-2011): 11/19/2014

ANSI/AHRI Standard 1161 (SI)-2014, Performance Rating of Heat Pump Pool Heaters (revision of ANSI/AHRI Standard 1161 (SI)-2011): 11/20/2014

ANS (American Nuclear Society)

New Standard

ANSI/ANS 3.1-2014, Selection, Qualification, and Training of Personnel for Nuclear Power Plants (new standard): 11/20/2014

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE AD10448-2014, Agricultural tractors - Hydraulic pressure for implements (national adoption with modifications of ISO 10448:1994): 11/24/2014

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.100-160 Part 2-2014, Placement and Location of Magnetic Ink Printing (MICR) - Part 2: EPC Field Use (revision of ANSI X9.100-160 Part 2-2009): 11/24/2014

ASPE (American Society of Plumbing Engineers)

New Standard

ANSI/WQA/ASPE S-802-2014, Sustainable Activated Carbon Media for Drinking Water Treatment (new standard): 11/24/2014

AWC (American Wood Council)

Revision

ANSI/AWC PWF-2015, Permanent Wood Foundation Design Specification (revision and redesignation of ANSI/AF&PA PWF-2007): 11/20/2014

AWWA (American Water Works Association)

Revision

ANSI/AWWA B102-2014, Manganese Greensand for Filters (revision of ANSI/AWWA B102-2010): 11/24/2014

CEA (Consumer Electronics Association)

Revision

- * ANSI/CEA 774-C-2014, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CEA 774-B-2009): 11/24/2014
- * ANSI/CEA 2010-B-2014, Standard Method of Measurement for Subwoofers (revision and redesignation of ANSI/CEA 2010-A-2012): 11/20/2014
- * ANSI/CEA 2028-B-2014, Color Codes for Outdoor TV Receiving Antennas (revision and redesignation of ANSI/CEA 2028-A-2009): 11/24/2014
- * ANSI/CEA 2032-B-2014, Indoor TV Receiving Antenna Performance Standard (revision and redesignation of ANSI/CEA 2032-A-2009): 11/24/2014

EOS/ESD (ESD Association, Inc.)

Revision

ANSI/ESD STM9.1-2014, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear - Resistive Characterization (revision of ANSI/ESD STM9.1-2001 (R2006)): 11/24/2014

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

New Standard

- * ANSI/IAPMO Z1157-2014, Ball Valves (new standard): 11/24/2014

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

INCITS/ISO/IEC TR 20943-1-2003 (R2014), Information Technology - Procedures for Achieving Data Registry Content Consistency - Part 1: Data Elements (technical report): 11/24/2014

New National Adoption

INCITS/ISO/IEC 13250-3:2013 [2014], Information Technology - Topic Maps - Part 3: XML Syntax (identical national adoption of ISO/IEC 13250-3:2013 and revision of INCITS/ISO/IEC 13250-3:2007 [2009]): 11/20/2014

INCITS/ISO/IEC 12862:2011 [2014], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (identical national adoption of ISO/IEC 12862:2011 and revision of INCITS/ISO/IEC 12862:2009 [2009]): 11/20/2014

Reaffirmation

INCITS 31-2009 [R2014], Information Technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 31-2009): 11/24/2014

INCITS 38-2009 [R2014], Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 38-2009): 11/24/2014

- INCITS 377-2009 [R2014], Information Technology - Finger Pattern Data Interchange Format (reaffirmation of INCITS 377-2009): 11/21/2014
- INCITS 378-2009 [R2014], Information Technology - Finger Minutiae Format for Data Interchange (reaffirmation of INCITS 378-2009): 11/21/2014
- INCITS 381-2009 [R2014], Information Technology - Finger Image Based Data Interchange Format (reaffirmation of INCITS 381-2009): 11/21/2014
- INCITS 385-2004 [R2014], Information Technology - Face Recognition Format for Data Interchange (reaffirmation of INCITS 385-2004 [R2009]): 11/21/2014
- INCITS 423.3-2009 [R2014], Information Technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 3: Conformance Testing Methodology for INCITS 377:2004 Finger Pattern Data Interchange Format (reaffirmation of INCITS 423.3-2009): 11/21/2014
- INCITS 423.4-2009 [R2014], Information Technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 4: Conformance Testing Methodology for INCITS 381: Finger Image Data Interchange Format (reaffirmation of INCITS 423.4-2009): 11/21/2014
- INCITS 454-2009 [R2014], Information Technology - Codes for the Identification of Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas of the United States and Puerto Rico (reaffirmation of INCITS 454-2009): 11/24/2014
- INCITS 455-2009 [R2014], Information Technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 455-2009): 11/24/2014
- INCITS/ISO 6936:1988 [R2014], Information processing - Conversion between the two coded characters sets of ISO 646 and ISO 6937-2 and the CCITT international telegraph alphabet No. 2 (ITA 2) (reaffirmation of INCITS/ISO 6936:1988 [R2009]): 11/21/2014
- INCITS/ISO/IEC 6523-1:1998 [R2014], Information Technology - Structure for the identification of organizations and organizations parts - Part 1: Identification of organization schemes (reaffirmation of INCITS/ISO/IEC 6523-1:1998 [2009]): 11/21/2014
- INCITS/ISO/IEC 6523-2:1998 [R2014], Information Technology - Structure for the identification of organizations and organizations parts - Part 2: Registration of organization identification schemes (reaffirmation of INCITS/ISO/IEC 6523-2:1998 [2009]): 11/21/2014
- INCITS/ISO/IEC 9541-4:2009 [R2014], Information Technology - Font Information Interchange - Part 4: Application-Specific Extensions (reaffirmation of INCITS/ISO/IEC 9541-4:2009 [2009]): 11/21/2014
- INCITS/ISO/IEC 11179-2:2005 [R2014], Information technology - Metadata Registries (MDR) - Part 2: Classification for administered items (reaffirmation of INCITS/ISO/IEC 11179-2:2005 [2009]): 11/21/2014
- INCITS/ISO/IEC 11179-4:2004 [R2014], Information Technology - Management and Interchange - Metadata Registries (MDR) - Part 4: Formulation of Data Definitions (reaffirmation of INCITS/ISO/IEC 11179-4:2004 [R2009]): 11/21/2014
- INCITS/ISO/IEC 12087-2:1994 [R2014], Information technology - Computer graphics and image processing - Image Processing and Interchange (IPI) - Functional specification - Part 2: Programmer's imaging kernel system application programme interface (reaffirmation of INCITS/ISO/IEC 12087-2:1994 [S2009]): 11/21/2014
- INCITS/ISO/IEC 13250-2:2006 [R2014], Information Technology - Topic Maps - Data Model (reaffirmation of INCITS/ISO/IEC 13250-2:2006 [2009]): 11/24/2014
- INCITS/ISO/IEC 13250-4:2009 [R2014], Information Technology - Topic Maps - Canonical Syntax (reaffirmation of INCITS/ISO/IEC 13250-4:2009 [2009]): 11/24/2014
- INCITS/ISO/IEC 14772-2:2004 [R2014], Information technology - Computer graphics and image processing - The Virtual Reality Modelling Language (VRML) - Part 2: External Authoring Interface (EAI) (reaffirmation of INCITS/ISO/IEC 14772-2:2004 [R2010]): 11/21/2014
- INCITS/ISO/IEC 18023-1:2006 [R2014], Information technology - Synthetic Environment Data Representation Interchange Specification (SEDRIS) - Part 1: Functional specification (reaffirmation of INCITS/ISO/IEC 18023-1:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 18023-2:2006 [R2014], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) - Part 2: Abstract transmittal format (reaffirmation of INCITS/ISO/IEC 18023-2:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 18023-3:2006 [R2014], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) - Part 3: Transmittal format binary encoding (reaffirmation of INCITS/ISO/IEC 18023-3:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 18024-4:2006 [R2014], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) Language Bindings - Part 4: C (reaffirmation of INCITS/ISO/IEC 18024-4:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 18041-4:2007 [R2014], Information technology - Computer graphics, image processing and environmental data representation - Environmental Data Coding Specification (EDCS) language bindings - Part 4: C (reaffirmation of INCITS/ISO/IEC 18041-4:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 18042-4:2006 [R2014], Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C (reaffirmation of INCITS/ISO/IEC 18042-4:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 19757-2:2008 [R2014], Information technology - Document Schema Definition Language (DSDL) - Part 2: Regular-grammar-based validation - RELAX NG (reaffirmation of INCITS/ISO/IEC 19757-2:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 19757-8:2008 [R2014], Information technology - Document Schema Definition Language (DSDL) - Part 8: Declarative document manipulation (reaffirmation of INCITS/ISO/IEC 19757-8:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 19757-9:2008 [R2014], Information technology - Document Schema Definition Language (DSDL) - Part 9: Datatypes and namespace-aware DTDs (reaffirmation of INCITS/ISO/IEC 19757-9:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 19776-2:2008 [R2014], Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) encodings - Part 2: VRML Encoding (reaffirmation of INCITS/ISO/IEC 19776-2:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 19784-1:2006/AM 2:2009 [R2014], Information Technology - BioAPI - Biometric Application Programming Interface - Part 1: BioAPI Specification - Amendment 2: Framework Free BioAPI (reaffirmation of INCITS/ISO/IEC 19784-1:2006/AM2:2009 [2009]): 11/21/2014
- INCITS/ISO/IEC 19794-8:2006 [R2014], Information Technology - Biometric Data Interchange Formats - Part 8: Finger Pattern Skeletal Data (reaffirmation of INCITS/ISO/IEC 19794-8:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 19794-5:2005/AMD 1:2007 [R2014], Information Technology - Biometric Data Interchange Formats - Part 5: Face Image Data - Amendment 1: Face Image Data on Conditions for Taking Photographs (reaffirmation of INCITS/ISO/IEC 19794-5:2005/AMD 1:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 19794-5:2005/COR 1:2008 [R2014], Information technology - Biometric data interchange formats - Part 5: Face image data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794-5:2005/COR 1:2008 [2009]): 11/21/2014

- INCITS/ISO/IEC 19794-5:2005/COR 2:2008 [R2014], Information technology - Biometric data interchange formats - Part 5: Face image data - Technical Corrigendum 2 (reaffirmation of INCITS/ISO/IEC 19794-5:2005/COR 2:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 19795-2:2007 [R2014], Information Technology - Biometric Performance Testing and Reporting - Part 2: Testing Methodologies (reaffirmation of INCITS/ISO/IEC 19795-2:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 19795-4:2008 [R2014], Information Technology - Biometric Performance Testing and Reporting - Part 4: Performance and Interoperability Testing of Interchange Formats (reaffirmation of INCITS/ISO/IEC 19795-4:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 24709-1:2007 [R2014], Information Technology - BioAPI Conformance Testing for the Biometric Application Programming Interface (BioAPI) - Part 1: Methods and Procedures (reaffirmation of INCITS/ISO/IEC 24709-1:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 24709-2:2007 [R2014], Information Technology - BioAPI Conformance Testing for the Biometric Application Programming Interface (BioAPI) - Part 2: Test Assertions (reaffirmation of INCITS/ISO/IEC 24709-2:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 24713-1:2008 [R2014], Information Technology - Biometric Profiles for Interoperability and Data Interchange - Part 1: Biometric Reference Architecture (reaffirmation of INCITS/ISO/IEC 24713-1:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 24752-1:2008 [R2014], Information Technology - User Interfaces - Universal Remote Console - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 24752-1:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 24752-2:2008 [R2014], Information Technology - User Interfaces - Universal Remote Console - Part 2: User Interface Socket Description (reaffirmation of INCITS/ISO/IEC 24752-2:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 24752-3:2008 [R2014], Information Technology - User Interfaces - Universal Remote Console - Part 3: Presentation Template (reaffirmation of INCITS/ISO/IEC 24752-3:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 24752-4:2008 [R2014], Information Technology - User Interfaces - Universal Remote Console - Part 4: Target Description (reaffirmation of INCITS/ISO/IEC 24752-4:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 24752-5:2008 [R2014], Information Technology - User Interfaces - Universal Remote Console - Part 5: Resource Description (reaffirmation of INCITS/ISO/IEC 24752-5:2008 [2009]): 11/24/2014
- INCITS/ISO/IEC 5218:2004 [R2014], Information Interchange - Representation of Human Sexes (reaffirmation of INCITS/ISO/IEC 5218:2004 [R2009]): 11/21/2014
- INCITS/ISO/IEC 10779:2008 [R2014], Information technology - Office equipment - Office equipment accessibility for elderly persons and persons with disabilities (reaffirmation of INCITS/ISO/IEC 10779:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 11404:2007 [R2014], Information Technology - General-Purpose Datatypes (GDP) (reaffirmation of INCITS/ISO/IEC 11404:2007 [2009]): 11/21/2014
- INCITS/ISO/IEC 12089:1997 [R2014], Information technology - Computer graphics and image processing - Encoding for the Image Interchange Facility (IIF) (reaffirmation of INCITS/ISO/IEC 12089:1997 [S2009]): 11/21/2014
- INCITS/ISO/IEC 13240:2001 [R2014], Information Technology - Document Description and Processing Languages - Interchange Standard for Modifiable Interactive Documents (ISMID) (reaffirmation of INCITS/ISO/IEC 13240-2009): 11/21/2014
- INCITS/ISO/IEC 15948:2004 [R2014], Information technology - Computer graphics and image processing - Portable Network Graphics (PNG) Functional specification (reaffirmation of INCITS/ISO/IEC 15948:2004 [2009]): 11/21/2014
- INCITS/ISO/IEC 19502:2005 [R2014], Information technology - Meta Object Facility (MOF) Specification (reaffirmation of INCITS/ISO/IEC 19502:2005 [2009]): 11/21/2014
- INCITS/ISO/IEC 19503:2005 [R2014], Information technology - XML Metadata Interchange (XMI) (reaffirmation of INCITS/ISO/IEC 19503:2005 [2009]): 11/21/2014
- INCITS/ISO/IEC 19774:2006 [R2014], Information technology - Computer graphics and image processing - Humanoid Animation (H-Anim) (reaffirmation of INCITS/ISO/IEC 19774:2006 [2009]): 11/21/2014
- INCITS/ISO/IEC 24708:2008 [R2014], Information Technology - BioAPI Interworking Protocol (BIP) (reaffirmation of INCITS/ISO/IEC 24708:2008 [2009]): 11/21/2014
- INCITS/ISO/IEC 24734:2009 [R2014], Information technology - Office equipment - Method of measuring digital printing productivity (reaffirmation of INCITS/ISO/IEC 24734:2009 [2009]): 11/24/2014
- INCITS/ISO/IEC 24756:2009 [R2014], Information technology - Framework for specifying a common access profile (CAP) of needs and capabilities of users, systems, and their environments (reaffirmation of INCITS/ISO/IEC 24756:2009 [2009]): 11/24/2014
- Revision**
- INCITS/ISO/IEC 13240:2001/COR1:2003 [R2014], Information Technology - Document description and processing languages - Interchange Standard for Modifiable Interactive Documents (ISMID) Technical Corrigendum (revision of INCITS/ISO/IEC 13240:2001/COR1-2009): 11/24/2014
- Stabilized Maintenance**
- INCITS/ISO 8879:1986 [S2014], Information Processing - Text and Office Systems - Standard Generalized Markup (stabilized maintenance of INCITS/ISO 8879-1986 [R2009]): 11/21/2014
- INCITS/ISO 9069:1988 [S2014], Information Processing - SGML Support Facilities - SGML Document Interchange Format (SDIF) (stabilized maintenance of INCITS/ISO 9069-1988 [R2009]): 11/21/2014
- INCITS/ISO/IEC 11160-1:1996 [S2014], Information technology - Office Equipment - Minimum information to be included in specification sheets - Printers - Part 1: Class 1 and Class 2 printers (stabilized maintenance of INCITS/ISO/IEC 11160-1:1996 [S2014]): 11/21/2014
- INCITS/ISO/IEC 9070:1991 [S2014], Information technology - SGML support facilities - Registration Procedures for Public Text Owner Identifiers (stabilized maintenance of INCITS/ISO/IEC 9070:1991 [R2009]): 11/21/2014
- INCITS/ISO/IEC 10036:1996 [S2014], Information technology - Font Information Interchange - Procedure for the Registration of Font-Related Identifiers (stabilized maintenance of INCITS/ISO/IEC 10036:1996 [R2009]): 11/21/2014
- INCITS/ISO/IEC 10179:1996 [S2014], Information technology - Text Composition: Document Style Semantics and Specification Language (DSSSL) (stabilized maintenance of INCITS/ISO/IEC 10179:1996 [R2009]): 11/21/2014
- INCITS/ISO/IEC 10180:1995 [S2014], Information technology - Text Composition - Standard Page Description Language (SPDL) (stabilized maintenance of INCITS/ISO/IEC 10180:1995 [R2009]): 11/21/2014
- INCITS/ISO/IEC 10179:1996/AM 1:2003 [S2014], Information technology - Text Composition - Document Style Semantics and Specification Language (DSSSL) - Amendment 1: Extensions to DSSL (stabilized maintenance of INCITS/ISO/IEC 10179:1996/AM 1:2003 [R2009]): 11/21/2014
- Withdrawal**
- INCITS 400-2004 (R2008), Information Technology - Object Based Storage Devices Command Set (OSD) (withdrawal of INCITS 400-2004 (R2008)): 11/24/2014

INCITS/ISO/IEC 24713-2:2008 [2009], Information Technology - Biometric Profiles for Interoperability and Data Interchange - Part 2: Physical Access Control for Employees at Airports (withdrawal of INCITS/ISO/IEC 24713-2:2008 [2009]): 11/21/2014

INCITS/ISO/IEC 13251:2004 [2009], Information technology - Collection of graphical symbols for office equipment (withdrawal of INCITS/ISO/IEC 13251:2004 [2009]): 11/21/2014

INCITS/ISO/IEC TR 9573-13:2010, Information technology - SGML support facilities - Techniques for using SGML - Part 13: Public entity sets for mathematics and science (withdrawal of INCITS/ISO/IEC TR 9573-13:2010): 11/24/2014

INCITS/ISO/IEC TR 9573:1988 [2010], Information processing - SGML support facilities - Techniques for using SGML (withdrawal of INCITS/ISO/IEC TR 9573:1988 [2010]): 11/24/2014

INCITS/ISO/IEC TR 11580:2007 [2009], Information Technology - User Interfaces - Model for describing user interface objects, actions, and attributes (withdrawal of INCITS/ISO/IEC TR 11580:2007 [2009]): 11/24/2014

INCITS/ISO/IEC TR 14516:2002 [2009], Information technology - Security techniques - Guidelines on the use and management of Trusted Third Party services (withdrawal of INCITS/ISO/IEC TR 14516:2002 [2009]): 11/20/2014

INCITS/ISO/IEC TR 15285:1998 [2010], Information technology - An operational model for characters and glyphs (withdrawal of INCITS/ISO/IEC TR 15285:1998 [2010]): 11/24/2014

INCITS/ISO/IEC TR 15413:2001 [2010], Information Technology - Font Services - Part 1: Abstract Service Definition (withdrawal of INCITS/ISO/IEC TR 15413:2001 [2010]): 11/24/2014

INCITS/ISO/IEC TR 15446:2009 [2009], Information Technology - Security Techniques - Guide for the Production of Protection Profiles and Security Targets (withdrawal of INCITS/ISO/IEC TR 15446:2009 [2009]): 11/20/2014

INCITS/ISO/IEC TR 19758:2003 [2010], Information technology - Document description and processing languages - DSSSL Library for complex compositions (withdrawal of INCITS/ISO/IEC TR 19758:2003 [2010]): 11/24/2014

INCITS/ISO/IEC TR 19791:2006 [2009], Information technology - Security techniques - Security assessment of operational systems (withdrawal of INCITS/ISO/IEC TR 19791:2006 [2009]): 11/20/2014

INCITS/ISO/IEC TR 19758:2003/AM 1:2005 [2010], Information technology - Document description and processing languages - DSSSL library for complex compositions - Amendment 1: Extensions to basic composition (withdrawal of INCITS/ISO/IEC TR 19758:2003/AM 1:2005 [2010]): 11/24/2014

INCITS/ISO/IEC TR-15443-1:2005 [2009], Information technology - Security techniques - Framework for IT security assurance - Part 1: Overview and Framework (withdrawal of INCITS/ISO/IEC TR-15443-1:2005 [2009]): 11/20/2014

INCITS/ISO/IEC TR-15443-2:2005 [2009], Information technology - Security techniques - Framework for IT security assurance - Part 2: Assurance Methods (withdrawal of INCITS/ISO/IEC TR-15443-2:2005 [2009]): 11/20/2014

INCITS/ISO/IEC TR-15443-3:2007 [2009], Information technology - Security techniques - Framework for IT security assurance - Part 3: Analysis of assurance methods (withdrawal of INCITS/ISO/IEC TR -15443-3:2007 [2009]): 11/20/2014

INCITS/ISO/IEC TR-19075-1:2011 [2012], Information Technology - Database Languages - SQL Technical Reports - Part 1: XQuery Regular Expression Support in SQL (withdrawal of INCITS/ISO/IEC TR-19075-1:2011 [2012]): 11/24/2014

INCITS/ISO/IEC TR-9573-11:2004 [2010], Information processing - SGML support facilities - Part 11: Structure descriptions and style specifications for standards document interchange (withdrawal of INCITS/ISO/IEC TR-9573-11:2004 [2010]): 11/24/2014

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

ANSI C136.3-2014, Standard for Roadway and Area Lighting - Luminaire Attachments (revision of ANSI C136.3-2005 (R2009)): 11/24/2014

ANSI C136.21-2014, Standard for Roadway and Area Lighting Equipment - Vertical Tenons Used with Post Top-mounted Luminaires (revision of ANSI C136.21-2004 (R2009)): 11/24/2014

NSF (NSF International)

New Standard

ANSI/NSF/IPEC 363-2014 (i1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (new standard): 11/17/2014

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 248-3-2005 (R2014), Standard for Safety for Low-Voltage Fuses - Part 3: Class CA and CB Fuses (reaffirmation of ANSI/UL 248-3-2005 (R2010)): 11/20/2014

Project Initiation Notification System (PINS)

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

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

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

AIAA (American Institute of Aeronautics and Astronautics)

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BSR/AIAA S-102.2.4-201x, Capability-Based Product Failure Mode, Effects and (revision of ANSI/AIAA S-102.2.4-2008)

Stakeholders: Military agencies, civilian agencies, regulatory agencies, system integration firms, system suppliers, product suppliers, consultants.

Project Need: The capability-based aspect of this Standard requires that the organization's FMECA capability be rated according to defined criteria for process capability and data maturity.

Establishes uniform requirements and criteria for a capability-based Product Failure Mode, Effects and Criticality Analysis (FMECA). The capability-based aspect of this Standard requires that the organization's FMECA capability be rated according to defined criteria for process capability and data maturity.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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BSR X9.131-201x, Financial transaction messages - Electronic benefits transfer (EBT) - WIC retailer interface standard for smart cards (new standard)

Stakeholders: Electronic benefit processors, retail grocers, WIC state agencies, third party processors, and retail system developers are affected. EBT processors and WIC state agencies require a common standard for message and file processing that reflects the current market needs and practices.

Project Need: A standard that will permit commercial card and reader manufacturers, retailer store payment and electronic cash register providers, and WIC State Agencies to program components of a WIC EBT smart card solution into their present and future systems. The cost will be reduced to participating retailers and WIC State Agencies through standardized requirements that define the components of a smart card EBT system for the WIC program. The benefits include increased competition, lower costs and greater efficiency and service to provide EBT WIC benefits on integrated retailer cash register systems. This will also facilitate the adoption of new technology and minimize costs to adopt the technology as it evolves over time.

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ASME (American Society of Mechanical Engineers)

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BSR/ASME A112.4.14/CSA B125.3-201x, Manually Operated Valves for Use in Plumbing Systems (revision, redesignation and consolidation of ANSI/ASME A112.4.14-2004 (R2010), CSA B125.3-2011)

Stakeholders: Plumbing manufacturers, certifiers, inspectors, and government jurisdictions that implement these standards.

Project Need: Harmonize the ASME A112.4.14-2004 (R2010) and CSA B125.3-11 Standards. Products under B125.3 are all currently being harmonized with other Standards. Currently, the supply line valves are the only product not harmonized with US requirements. The requirements in both standards are almost the same and both standards are already referenced in current model plumbing codes.

This Standard establishes requirements for manually operated valves, also known as supply line stops, in nominal sizes (NPS) less or equal to 2. These valves are intended for installation as water shutoff valves between the meter and the supply stop. Valves governed by this Standard are intended for service at temperatures between 1°C (34°F) and 82°C (180°F), with an allowable working pressure rating not less than 862 kPa (125 psi).

ASTM (ASTM International)

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BSR/ASTM WK47801-201x, New Test Method for In-Field Tensile Testing of Polyethylene (PE) Butt-Fused Joints (new standard)

Stakeholders: Test Methods industry.

Project Need: The project scope is to create a new test method intended for in-field evaluation of butt-fusions made from pipes of the same outside diameter and same wall thickness from polyethylene (PE) compounds of the same ASTM D3350 cell classification.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK47801.htm>

BSR/ASTM WK47806-201x, New Specification for Characterization of Safety Surface Systems for Use in Indoor Play Areas (new standard)

Stakeholders: Playground Surfacing Systems industry.

Project Need: This specification establishes the tests and physical requirements needed to characterize the properties and material characteristics of safety surface system products intended for use in indoor play areas.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK47806.htm>

BSR/ASTM WK47821-201x, New Specification for Crumb Rubber Used as Synthetic Turf Infill (new standard)

Stakeholders: Artificial Turf Surfaces and Systems industry.

Project Need: Define test methods for measuring properties of crumb rubber that may impact the performance and safety when used for synthetic turf infill material.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK47821.htm>

CSA (CSA Group)

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* BSR Z21.21-201x, Automatic Valves for Gas Appliances (same as CSA 6.5) (revision of ANSI Z21.21-2012)

Stakeholders: Consumers, manufacturers, suppliers, certifying agencies.

Project Need: Revise standard for safety.

Details test and examination criteria for automatic valves, which may be individual automatic valves or valves, utilized as parts of automatic gas ignition systems. This standard also applies to commercial/industrial safety shutoff valves.

* BSR Z21.22-201x, Relief Valves for Hot Water Supply Systems (same as CSA 4.4) (revision, redesignation and consolidation of ANSI Z21.22-1999 (R2014), ANSI Z21.22a-2000 (R2014), ANSI Z21.22b-2001 (R2014))

Stakeholders: Consumers, manufacturers, suppliers, certifying agencies.

Project Need: Revise standard for safety.

Details test and examination criteria for: (1) Temperature relief valves and combination temperature and pressure relief valves for use on storage tanks of hot water supply systems without heater input limitation; (2) Valves having only pressure relief features for use on storage tanks of hot water supply systems with inputs up to and including 200,000 Btu per hour (58 614 W); and (3) Vacuum relief valves.

HL7 (Health Level Seven)

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BSR/HL7 V2.8.2-201x, Health Level Seven Standard Version 2.8.2 - An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision and redesignation of ANSI/HL7 V2.8.1-2014)

Stakeholders: HIT software developers focusing on laboratory interoperability, laboratories, healthcare providers, regulatory agencies focusing on laboratory interoperability, secondary data users, and registries involved with laboratory results.

Project Need: V2.8.2 provides enhancements to support implementation guidance that is established through regulatory programs in the US and Australia.

Version 2.8.2 provides updates resulting from project supporting regulatory activities in the US and Australia. The specific changes are too long to list here. Please see the HL7 ballot announcement for more details.

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

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BSR/ASSE Series 6000-201x, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2012)

Stakeholders: General public, contractors, AHJs, medical gas system installers, inspectors, verifiers, maintenance personnel, instructors, and bulk system personnel.

Project Need: With the revision of NFPA 99, this standard needs to be revised to comply.

This series of standards provides general knowledge of medical gas and vacuum systems for the purpose of providing continuing education. Eligible individuals include any person with an interest in medical gas and vacuum systems and equipment.

BSR/ASSE Series 18000-201x, Professional Qualifications Standard for Fuel Gas Systems and Equipment Installers and Repairers (new standard)

Stakeholders: Homeowners, general public, plumbers, mechanical personnel, maintenance personnel, pipe fitters, stationary engineers, repairmen, service technicians.

Project Need: Determine minimum qualifications for individuals installing and repairing these potentially dangerous systems.

Applies to individuals working with Natural Gas Fuel Piping within a residential, light commercial, and light industrial structures or connected to a system from that structure. Establish minimum qualifications to perform this work.

IEEE (Institute of Electrical and Electronics Engineers)

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BSR/IEEE 1276-201X, Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power and Regulating Transformers (new standard)

Stakeholders: Distribution, power and regulating transformer users, designers, and manufacturers.

Project Need: To update the current Guide so it can remain an active tool for the application of high-temperature insulation materials in distribution, power, and regulating transformers.

This guide applies to liquid-immersed distribution, power, and regulating transformers that are designed to operate at temperatures that exceed the normal thermal limits of IEEE Std. C57.12.00 under continuous load, in the designed average ambient, and at rated conditions.

BSR/IEEE 1622.2-201X, Standard for Election Results Reporting Data Interchange Format (new standard)

Stakeholders: Voters (including overseas and military voters), election equipment and software developers, election officials, election observers and analysts, the US Election Assistance Commission (EAC), the Federal Voting Assistance Program (FVAP), election reporting and news media, and the general public.

Project Need: Reporting of election results from vote-capture devices to local jurisdictions and from local jurisdictions to the state level typically requires many exchanges of data between election management systems that may use different proprietary formats. This requires significant investment by states in software to support such data exchanges and may lock a state into using proprietary approaches or their own in-house solutions.

This standard defines common data interchange formats for information reported about election results. Election results information is based on data from vote capture devices and resultant tabulation data or other information about the election from election management systems. This standard focuses on the data elements and structures for contest totals and associated counts used for reconciliations and audits.

BSR/IEEE 1622.3-201X, Standard for Election Systems Event Logging Data Interchange Format (new standard)

Stakeholders: Voters including overseas and military, election equipment and software developers, election officials, election observers, the US Election Assistance Commission (EAC), the Federal Voting Assistance Program (FVAP), and the general public.

Project Need: The process of using event data to perform audits is cumbersome due to the proprietary nature of current event logging systems. This standard will establish a data interchange format that will facilitate the creation of generic tools that can be used to examine and analyze event data. In addition, tools can be created to help examine the usability of the systems through examination of event data. Election system vendors can also benefit from employing a common data exchange standard.

This standard defines common data interchange formats for event records for election systems. Election systems, including election administration systems, election management systems, vote capture devices, and tabulation devices, that record events typically in a log file. This standard specifies the common data elements for event log export, and an implementation of this standard using Extensible Markup Language (XML) data elements and structures. This standard also includes the manner in which codes in event logs for election systems are described.

BSR/IEEE 11073-10415a-201X, Health Informatics - Personal Health Device Communication - Device Specialization - Weighing Scale Amendment (addenda to BSR/IEEE 11073-10415-2008)

Stakeholders: People who use personal health devices in home and mobile environments, personal health device vendors, personal health manager vendors, institutions that may ultimately receive data from these devices (e.g., hospitals, doctor offices, diet and fitness companies), payers (e.g., insurance companies), regulatory agencies (e.g., food and drug administration), telemedicine consultants and businesses.

Project Need: To clarify known issues in the IEEE 11073-10415:2008 standard and extend the original framework to support the Base-Offset-Time feature.

The amendment contains the correction to the original standard to make it easier to implement in an interoperable fashion. It is intended cover the Base-Offset-Time feature that is required to satisfy the new user. This feature has already been included in the published IEEE std 11073-20601a-2010. Implementing this feature will ensure the compatibility between this standard and IEEE std 11073-20601a-2010.

BSR/IEEE 11073-10420a-201X, Health Informatics -- Personal Health Device Communication Part 10420: Device Specialization -- Body Composition Analyzer (addenda to BSR/IEEE 11073-10420a-2010)

Stakeholders: People who use personal health devices in home and mobile environments, personal health device vendors, personal health manager vendors, institutions that may ultimately receive data from these devices (e.g., hospitals, doctor offices, diet and fitness companies), payers (e.g., insurance companies), regulatory agencies (e.g., food and drug administration), telemedicine consultants and businesses.

Project Need: To clarify known issues in the IEEE 11073-10420:2010 standard and extend the original framework to support the Base-Offset-Time feature.

The amendment contains the correction to the original standard to make it easier to implement in an interoperable fashion. It is intended cover the Base-Offset-Time feature that is required to satisfy the new user. This feature has already been included in the published IEEE std 11073-20601a-2010. Implementing this feature will ensure the compatibility between this standard and IEEE std 11073-20601a-2010.

BSR/IEEE C37.60-201X, High-voltage switchgear and controlgear - Part 111: Automatic Circuit Reclosers for Alternating Current Systems Up To and Including 38 kV (new standard)

Stakeholders: The stakeholders include users and manufacturers of switchgear equipment.

Project Need: This is a dual logo standard. The purpose of this project is to consider comments from the last revision project that were "held to the next revisions". See section 8.1 for additional information.

This part of IEC 62271 applies to all overhead, pad-mounted, dry-vault, and submersible single or multi-pole alternating current automatic circuit reclosers for rated maximum voltages above 1 000 V and up to and including 38 kV. Devices that require a dependent manual operation are not covered by this standard. In order to simplify this standard where possible, the term recloser (or reclosers) has been substituted for automatic circuit recloser(s) or cutout-mounted recloser (s) or both.

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

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

Contact: *Barbara Bennett*

Fax: (202) 638-4922

E-mail: comments@itic.org

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

Stakeholders: ICT industry.

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

This is the first amendment to ISO 19110:2005, which defines the methodology for cataloguing feature types and specifies how the classification of feature types is organized into a feature catalogue and presented to the users of a set of geographic data. ISO 19110:2005 is applicable to creating catalogues of feature types in previously uncatalogued domains and to revising existing feature catalogues to comply with standard practice. ISO 19110:2005 applies to the cataloguing of feature types that are represented in digital form. Its principles can be extended to the cataloguing of other forms of geographic data.

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

Office: 1101 K Street NW
Suite 610
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Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: comments@itic.org

BSR/INCITS 543-201X, Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (new standard)

Stakeholders: ICT industry.

Project Need: Involves a compatible evolution of the present Fibre Channel physical layer.

The FC-PI-7 standard will define the requirements for new physical layer variants that operate at higher data rates than those specified in FC-PI-6 and FC-PI-6P. The standard defines a single-lane serial variant and a four-lane parallel variant. It is desirable that new variants operate at similar distances as those of the corresponding variants specified in FC-PI-6 and FC-PI-6P.

MHI (Material Handling Industry)

Office: 8720 Red Oak Blvd. - Ste. 201
Suite 201
Charlotte, NC 28217

Contact: *John Nofsinger*

Fax: (704) 676-1199

E-mail: jnofsinger@mhi.org

BSR MH26.2-201x, Design, Testing and Utilization of Welded-Wire Rack Decking (revision of ANSI MH26.2-2007)

Stakeholders: Producers, specifiers, installers, users of welded-wire rack decking.

Project Need: Update normative references, add clarifications to performance-based utility as a design, testing, and utilization standard.

Standard applies to uniformly loaded rack decking fabricated from welded-wire mesh, with permanently attached reinforcements, for use in storage racks. Rack decking provides storage capability by creating a surface, in conjunction with a superstructure or framework (rack), upon which to place materials that may be on pallets, in containers, or in other forms. Changes from the prior edition include updated normative and steel references, plus clarifications to performance-based utility as a design, testing, and utilization standard.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Contact: Megan Hayes

Fax: (703) 841-3385

E-mail: megan.hayes@nema.org

BSR C136.35-201X, Standard for Roadway and Area Lighting Equipment - Luminaire Electrical Ancillary Devices (LEAD) (revision of ANSI C136.35-2009 (R2014))

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

Project Need: This standard is being revised to update references and reflect current industry practices.

This standard covers the electrical and mechanical interchangeability of electrical devices mounted on or in luminaires, brackets, or remotely mounted on the support structure of the luminaire and that may draw power from the luminaire. These devices are used in conjunction with roadway and area lighting luminaires and may be mounted or plugged into the photocontrol receptacle. This standard does not cover such things as flag banners, flower containers, or decorative holiday/seasonal lights.

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Office: 1700 N. Moore Street
Suite 1540
Arlington, VA 22209-1903

Contact: Yvonne Meding

Fax: (703) 524-6630

E-mail: YMeding@resna.org

* BSR/RESNA SS-1-201x, RESNA Standard for Support Surfaces - Volume 1: Requirements and Test Methods for Full Body Support Surfaces (revision and redesignation of ANSI/RESNA SS-1-2014)

Stakeholders: Clinicians, manufacturers, and vendors of full body support surfaces, researchers, test laboratories, patients, caregivers, hospital managers, and purchasing agents.

Project Need: Since no one full body support surface is best for all patients, a wide variety of surfaces are available. There is a need for consistent information to evaluate characteristics of support surfaces based on standardized testing that simulates body loading.

This standard applies to full body support surfaces (i.e., mattresses, mattress overlays, and integrated bed systems). Revisions are proposed to SS-1 to address these areas: methods for measuring sliding resistance, standardized testing to determine product life of support surfaces, methods for disinfection of support surfaces, and identification of characteristics of active support surfaces. This information is intended to help differentiate performance characteristics of support surfaces and is not intended for determining overall performance or for ranking or scoring of such surfaces.

TCIA (ASC A300) (Tree Care Industry Association)

Office: 136 Harvey Road
Suite 101
Londonderry, NH 03053

Contact: Robert Rouse

Fax: (603) 314-5386

E-mail: rrouse@tcia.org

* BSR A300 (Part 1) Pruning-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Pruning) (revision of ANSI A300 (Part 1) Pruning-2008 (R2014))

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects.

Project Need: To review and incorporate changes in industry standard practices, as appropriate, since the approval of the current standard. Harmonization with related industry standards will be considered.

A300 (Part 1) Pruning standards provide acceptable industry performance parameters and an industry standard specification writing guide for pruning of trees, shrubs, and other woody plants. It is a guide for utilities, federal, state, municipal, and private authorities including property owners and property managers.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAMI Association for the Advancement of Medical Instrumentation 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 647-2779 Web: www.aami.org</p>	<p>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</p>	<p>CEA Consumer Electronics Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.ce.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854-4141 Phone: (732) 981-2864 Web: www.ieee.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>ASPE American Society of Plumbing Engineers 6400 Shafer Court Suite 350 Rosemont, IL 60018 Phone: (847) 296-0002 Fax: (847) 296-2963 Web: www.aspe.org</p>	<p>CSA CSA Group 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street, NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: www.incits.org</p>
<p>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</p>	<p>ASSE (Safety) American Society of Safety Engineers 1800 East Oakton Street Des Plaines, IL 60018-2187 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org</p>	<p>ECA Electronic Components Association 2214 Rock Hill Road Suite 170 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.ecianow.org</p>	<p>IWCA (ASC I14) International Window Cleaning Association 1100-H Brandywine Blvd Zanesville, OH 43701-7303 Phone: (614) 501-1100 x3187 Fax: (614) 501-1101 Web: www.iwca.org</p>
<p>AIAA American Institute of Aeronautics and Astronautics 1801 Alexander Bell Dr. Reston, VA 20191 Phone: (703) 264-7546 Web: www.aiaa.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>EOS/ESD ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>MHI Material Handling Industry 8720 Red Oak Blvd. - Ste. 201 Suite 201 Charlotte, NC 28217 Phone: (704) 676-1190 Fax: (704) 676-1199 Web: www.mhia.org</p>
<p>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</p>	<p>AWC American Wood Council 222 Catoctin Circle Suite 201 Leesburg, VA 20175 Phone: (202) 463-2770 Fax: (202) 463-2791 Web: www.awc.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>NASBLA National Association of State Boating Law Administrators 1648 McGrathiana Parkway Suite 360 Lexington, KY 40511 Phone: (859) 225-9487 Web: www.nasbla.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>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</p>	<p>IAPMO (ASC Z124) International Association of Plumbing & Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761-2816 Phone: (909) 472-4106 Fax: (909) 472-4150 Web: www.iapmort.org</p>	<p>NEMA (Canvass) National Electrical Manufacturers Association 1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3285 Fax: (703) 841-3385 Web: www.nema.org</p>
<p>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</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO 18927 Hickory Creek Drive Suite 220 Mokena, IL 60448 Phone: (708) 995-3015 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 Phone: (734) 827-6819 Fax: (734) 827-7875 Web: www.nsf.org</p>

RESNA

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Assistive Technology Society of
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TCIA (ASC A300)

Tree Care Industry Association
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Phone: (603) 314-5380
Fax: (603) 314-5386
Web: www.treecareindustry.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Dr.
Research Triangle Park, NC 27709
Phone: (919) 549-0973
Fax: (919) 549-0973
Web: www.ul.com



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

AIR QUALITY (TC 146)

[ISO 16000-20:2014](#), Indoor air - Part 20: Detection and enumeration of moulds - Determination of total spore count, \$108.00

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

[ISO 13105-1:2014](#), Building construction machinery and equipment - Machinery for concrete surface floating and finishing - Part 1: Terms and commercial specifications, \$66.00

[ISO 13105-2:2014](#), Building construction machinery and equipment - Machinery for concrete surface floating and finishing - Part 2: Safety requirements and verification, \$108.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

[ISO 14533-1:2014](#), Processes, data elements and documents in commerce, industry and administration - Long term signature profiles - Part 1: Long term signature profiles for CMS Advanced Electronic Signatures (CAeES), \$132.00

FINE CERAMICS (TC 206)

[ISO 17138:2014](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of flexural strength, \$77.00

FLOOR COVERINGS (TC 219)

[ISO 16581:2014](#), Resilient and laminate floor coverings - Determination of the effect of simulated movement of a furniture leg, \$66.00

[ISO 24334:2014](#), Laminate floor coverings - Determination of locking strength for mechanically assembled panels, \$77.00

JEWELLERY (TC 174)

[ISO 9202:2014](#), Jewellery - Fineness of precious metal alloys, \$51.00

[ISO 11210:2014](#), Jewellery - Determination of platinum in platinum jewellery alloys - Gravimetric method after precipitation of diammonium hexachloroplatinate, \$66.00

[ISO 11494:2014](#), Jewellery - Determination of platinum in platinum jewellery alloys - ICP-OES method using yttrium as internal standard element, \$77.00

[ISO 11495:2014](#), Jewellery - Determination of palladium in palladium jewellery alloys - ICP-OES method using yttrium as internal standard element, \$77.00

MACHINE TOOLS (TC 39)

[ISO 10791-7:2014](#), Test conditions for machining centres - Part 7: Accuracy of finished test pieces, \$149.00

PLASTICS (TC 61)

[ISO 19065-1:2014](#), Plastics - Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$77.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

[ISO 13050:2014](#), Synchronous belt drives - Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys, \$211.00

STEEL (TC 17)

[ISO 683-5:2014](#), Heat treatable steels, alloy steels and free-cutting steels - Part 5: Nitriding steels, \$156.00

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

[IEC 82045-2/Cor1:2014](#), Document management -- Part 2: Metadata elements and information reference model - Corrigendum, FREE

TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

[ISO 93-2/Amd1:2014](#), Textile machinery and accessories - Cylindrical sliver cans - Part 2: Spring bottoms - Amendment 1, \$22.00

THERMAL INSULATION (TC 163)

[ISO 29467/Amd1:2014](#), Thermal insulating products for building applications - Determination of squareness - Amendment 1, \$22.00

[ISO 29471/Amd1:2014](#), Thermal insulating products for building applications - Determination of dimensional stability under constant normal laboratory conditions (23 degrees C/50 % relative humidity) - Amendment 1, \$22.00

[ISO 29472/Amd1:2014](#), Thermal insulating products for building applications - Determination of dimensional stability under specified temperature and humidity conditions - Amendment 1, \$22.00

[ISO 29767/Amd1:2014](#), Thermal insulating products for building applications - Determination of short-term water absorption by partial immersion - Amendment 1, \$22.00

[ISO 29771/Amd1:2014](#), Thermal insulating materials for building applications - Determination of organic content - Amendment 1, \$22.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 23205:2014](#), Agricultural tractors - Instructional seat, \$58.00

ISO Technical Reports

HEALTH INFORMATICS (TC 215)

[ISO/TR 80001-2-6:2014](#), Application of risk management for IT-networks incorporating medical devices - Part 2-6: Application guidance - Guidance for responsibility agreements, \$114.00

MACHINE TOOLS (TC 39)

[ISO/TR 17243-1:2014](#), Machine tool spindles - Evaluation of machine tool spindle vibrations by measurements on spindle housing - Part 1: Spindles with rolling element bearings and integral drives operating at speeds between 600 min⁻¹ and 30 000 min⁻¹, \$123.00

ISO Technical Specifications**ROAD VEHICLES (TC 22)**

[ISO/TS 17536-3:2014](#), Road vehicles - Aerosol separator performance test for internal combustion engines - Part 3: Method to perform engine gravimetric test, \$77.00

SOIL QUALITY (TC 190)

[ISO/TS 17182:2014](#), Soil quality - Determination of some selected phenols and chlorophenols - Gas chromatographic method with mass spectrometric detection, \$114.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 10118-4/Amd1:2014](#), Information technology - Security techniques - Hash-functions - Part 4: Hash-functions using modular arithmetic - Amendment 1: Object identifiers, \$22.00

[ISO/IEC 14496-4/Amd42:2014](#), Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 42: Conformance testing of Multi-Resolution Frame Compatible Stereo Coding extension of AVC, \$22.00

[ISO/IEC 14496-5/Amd34:2014](#), Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 34: Reference software of the multi-resolution frame compatible stereo coding of AVC, \$22.00

[ISO/IEC 18013-3/Amd2:2014](#), Information technology - Personal identification - ISO-compliant driving licence - Part 3: Access control, authentication and integrity validation - Amendment 2: Extended Access Control v1, \$22.00

[ISO/IEC 23002-4/Amd1:2014](#), Information technology - MPEG video technologies - Part 4: Video tool library - Amendment 1: Graphics tool library (GTL) for the reconfigurable multimedia coding (RMC) framework, \$22.00

[ISO/IEC 8825-7:2014](#), Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER), \$51.00

[ISO/IEC 19788-4:2014](#), Information technology - Learning, education and training - Metadata for learning resources - Part 4: Technical elements, \$108.00

IEC Standards**INDUSTRIAL ELECTROHEATING EQUIPMENT (TC 27)**

[IEC 62798 Ed. 1.0 b cor.1:2014](#), Corrigendum 1 - Industrial electroheating equipment - Test methods for infrared emitters, \$0.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 62325-451-4 Ed. 1.0 b:2014](#), Framework for energy market communications - Part 451-4: Settlement and reconciliation business process, contextual and assembly models for European market, \$303.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-30 Ed. 5.0 b cor.1:2014](#), Corrigendum 1 - Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters, \$0.00

IEC Technical Reports**ELECTRICAL ACCESSORIES (TC 23)**

[IEC/TR 61916 Ed. 3.0 b:2014](#), Electrical accessories - Harmonization of general rules, \$230.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accreditation Program for Third Party Product Certification Agencies

Scope Extension

DOT Quality Services, Inc.

Comment Deadline: December 29, 2014

Ms. Anna Petroski, President
DOT Quality Services, Inc.
742 N LaSalle Dr, Suite 400
Chicago, IL 60654
PHONE: 312-285-5344

E-mail: a.petroski@dotqs.com

Web: www.dotqualityservices.com

DOT Quality Services, Inc., an ANSI-Accredited Certification Body, has requested a scope extension for ANSI accreditation to include the following:

Title of the Scheme: DOTQS Infrastructure Certification Program for Metals Fabrication and Manufacturing – DOTQS Standard-002(16 Oct 2014)

Title of the Scheme: AWS Welding Code Certification Program – DOTQS QP-003(13 Oct 2014) (At this time, this covers the two Codes for welding. AWS D1.1:2010 Structural Welding Code – Steel, and AASHTO/AWS D1.5:2010 Bridge Welding Code.)

Please send your comments by December 29, 2014 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

Call for comments

ISO/TMB – Standards under Systematic Review

ISO/IEC Guide 98-4:2012

Every International Standard published by ISO shall be subject to systematic review in order to determine whether it should be confirmed, revised/amended, converted to another form of deliverable, or withdrawn at least once every five years.

ISO has launched Systematic Review ballots on the following standards that are the responsibility of the ISO/TMB:

ISO/IEC Guide 98-4:2012, Uncertainty of measurement -- Part 4: Role of measurement uncertainty in conformity assessment

As there is no accredited U.S. TAG to provide the U.S. consensus positions on this document, we are seeking comments from any directly and materially affected parties.

Organizations or individuals interested in submitting comments or in requesting additional information should contact ISOT@ansi.org.

Meeting Notices

AHRI Meetings

Development of AHRI Standard 920, Performance Rating of DX-Dedicated Outdoor Air System Units

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on December 1 from 2 p.m. to 4 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Danny Abbate at dabbate@ahrinet.org.

Revision of AHRI Standard 550/590, Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle

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

ASC A10 Meeting

The American Society of Safety Engineers (ASSE) serves as the secretariat of the ANSI Accredited A10 Committee (A10 ASC) for Construction and Demolition Operations. The next meeting of the A10 ASC will be held on January 13, 2015 in Washington D.C. at the International Brotherhood of Electrical Workers (IBEW) in Washington, DC. Those who have interest in the committee are encouraged to attend. In addition, subgroup meetings of the A10 ASC will be held the day before or after the main meeting on January 12th or the 14th. The A10 ASC has a series of subgroups addressing a wide variety of construction and demolition issues ranging from trenching and shoring to ergonomic injury prevention and health hazards. The subgroup meeting schedule will be provided upon request. Interested attendees should contact:

Tim Fisher, CSP, CAE, CHMM, CPEA, ARM
Director, Practices and Standards
American Society of Safety Engineers (ASSE)
1800 East Oakton Street
Des Plaines, IL 60018
847/768-3411
TFisher@ASSE.Org

ANDE-1-XXXX

ASME Nondestructive Examination and Quality Control Central Qualification and Certification Program

**DRAFT APPROVED FOR PUBLIC REVIEW ON 2-24-2014 WITH PROPOSED
CHANGES AS OF 10-03-2014**

NOTE: Publisher to remove this text box prior to publication. Prior to publication the strikethrough lines on this cover page and in the header on each page of this Standard shall be removed and the XXXX shall be replaced with the year published on this cover page and in the header of each page of the Standard. This text box is provided to meet the requirements of Codes and Standards Policy (CSP-9).

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ASME Standards and Certification**

This text box is provided to meet the requirements of Codes and Standards Policy (CSP-9).

The below excerpts are from the ASME Nondestructive Examination and Quality Control Central Qualification and Certification Program ANDE-1 Standard. The revised portions of the draft ANDE-1 Standard are based on the ANSI Public Review Comments received. Please note that the markups of the Standard items show “strike-through” words that are to be deleted and “underlined” words that are to be added to the Standard. These changes are all highlighted in “YELLOW” so that they can be easily identified. Only these changes are to be reviewed and considered for this recirculation ANSI Public Review Ballot.

1. Page v – Mandatory Appendices
 - a. Mandatory Appendix I **Nuclear** NDE and QC Specific Industry Sector Requirements. 29
 - b. I-2 **Nuclear** Sector Requirements 29
2. Page ix – Organization of the Standard
 - a. 2. SECTIONS
*Parts are **organized broken down** into sections that are designated by number identifying the part and the section as follows*
3. Page 1 – Section 1-1.1 Scope
 - a. (e) Specific requirements for industry sectors are included in **the Mandatory Appendices of this Standard such as the Nuclear Sector in Mandatory Appendix I. are contained in Mandatory Appendix I and are in addition to the other requirements contained in this Standard.**
4. Page 2 - Section 1-1.5 Applications, certification forms, job task analyses, related body of knowledge requirements and qualification/continuity cards and Section 1-1.6 Eye Examinations
 - a. then those authorities or agencies shall be provided full access; with the certified individual’s written approval, **to** any record of documentation, qualification or certification activities performed to meet this Standard.
 - b. When required or referenced in this Standard, Application and related **Certification** Forms, the latest **ANDE Committee applicable Specific Industry Sector (SIS) Committee** approved NDE or QC method and endorsement related JTAs, **with their BoKs requirements**, Qualification/Continuity Cards and their instructions for use shall be used, **and can be found at: “go.asme.org/personnel-certification”.**
 - c. (a) In addition to maintaining **an ASME** certification, candidates shall demonstrate...
5. Page 4 & 5 – Section 1-1.2 Definitions
 - a. **Certification Body (CB):** a third party, **independent body, certification organization that is an independent body, such as a non-profit, technical society, research organization or government agency that assesses and attests to the individual’s level of qualification and certification in accordance with this Standard separate from the organizations that uses the NDE or QC personnel that it certifies and not owned by any organization that uses such certified personnel.**
 - b. **education:** **an institutionalized program, prescribed by appropriate authorities that is offered by schools, institutes, organizations, colleges or universities providing instruction in an orderly, planned and systematic fashion the knowledge or skill obtained or developed by such a process: learning.**
6. Page 6 Section 1-1.2 Definitions
 - a. **NDE technique:** a specific way of utilizing a particular NDE method. For example: **immersion or contact testing for the UT-yoke testing for the MT** examination method.
7. Page 7 Section 1-1.2 Definitions
 - a. **SIS activity requirements:** requirements **in this Standard or those** that are defined in a Code, Standard, Specification, Procedure or Instruction that are used to perform the SIS activity. These requirements **shall may** apply to a particular area in a specific industry sector or technology where using NDE or QC methods **that** may require specific skills, knowledge, equipment or training
8. Page 8 – Responsibilities Section 1-3.1 General (a, b, c) and 1-3.2 Certification Body (d)
 - a. (b) The ANDE Committee is responsible for the development and maintenance of this Standard. **or documents that may be needed to support the implementation of performance based requirements for qualification and certification of NDE and QC Inspection personnel.**
 - b. (c) The CB QA program and the CB general administrative procedures for implementation of this Standard such as the operating procedures and instructions to candidates shall be made available to the **ANDE Committee applicable SIS Committee** for review and comment and all comments shall be resolved prior to implementation by the CB.

c. (d) The ~~applicable SIS Committee~~ ~~ANDE Committee~~ shall approve all technical documents including:...

d. (b) The CB is responsible for maintaining a Quality Assurance (QA) program that meets the requirements of the latest ~~Edition of ISO 9000, Reference [1] or equivalent (e.g., NQA-1, as applicable), Reference [2]. that shall meet the requirements of the latest Edition of NQA-1, Reference [1].~~

9. Page 9 – Section 1-3.2 Certification Body (h1, h2)

a. (1) ~~The CB shall develop and maintain a secure question bank and written examinations shall be prepared based on the JTAs with their BoK requirements using a selection process that ensures no individual takes the same examination more than once.~~

b. (2) The CB ~~or CB's approved outside agencies~~ shall maintain a secure test sample bank containing a sufficient number of flawed samples to support the practical demonstrations.

10. Page 10 – Section 1-3.7 Specific Industry Sector Committee

a. ~~Any SIS may set up a SIS Committee to collectively meet some or all of the requirements for the responsibilities of an employer of NDE or QC Inspection personnel in this Standard. The requirements for each SIS Committee are contained in the SIS requirements of Mandatory Appendix I.~~

~~(a) Representatives from industry in cooperation with a CB shall establish a SIS Committee. The SIS Committee shall provide oversight of the CB activities performed in accordance with this Standard. The requirements for each SIS Committee are contained in the SIS requirements of the Mandatory Appendices of this Standard.~~

~~(b) Oversight activities performed by SIS Committees shall be organized to provide consistent, constructive feedback and collective results to the CB as described in the CB's operating procedures.~~

~~(c) This SIS Committee shall consist of a balanced membership of representatives recognized as knowledgeable or SMEs in various aspects of NDE or QC methods for the purpose of implementing this Standard and shall serve as the coordinator between interested and affected parties and the CB.~~

11. Page 13 Eligibility Section 1-5.3 Training

a. (a) Candidates for NDE and QC ~~personnel Inspector~~ qualification and certification...

b. (b) ... As an integral part of the SAT process, the JTA ~~with its and BoK requirements~~ shall be used for the skills and knowledge required for training.

c. (d) All training courses ~~conducted by outside agencies to~~ shall address the content contained in the applicable BoK, that is developed from the JTA, ~~meet the requirements of the JTA~~ addressed in this Standard ~~and~~ shall be approved by a NDE or QC Level III certified individual (see 1-3.4).

12. Page 15 Maintenance of Certification Section 1-6.2 Continuity of Certification (b)

a. The reduced scope practical demonstration in (a) above, and this paragraph, shall be performed in accordance with an ~~applicable ANDE Committee SIS Committee~~ approved procedure.

13. Page 18 – Section 1-8 References

~~[1] ISO 9000, Quality management systems – Fundamentals and vocabulary~~

~~[12] ASME NQA-1, as applicable, Part 1, Requirements for Quality Assurance Programs for Nuclear Facilities, NQA-1-2008 Edition with the NQA-1a-2009 Addenda or (Latest Edition referenced in [2] or [3] for the Nuclear Sector requirements of Appendix I or the Latest Edition for the remainder of this Standard)~~

~~[23] ASME BPV Code, Section III, Division 1, Rules for Construction of Nuclear Facility Components, (Latest Edition referencing this Standard)~~

~~[34] ASME BPV Code, Section XI, Division 1, Rules for Inservice Inspection of Nuclear Power Plant Components, (Latest Edition referencing this Standard)~~

~~[45] Code of Federal Regulations (CFR), Title 10, Part 50, Appendix B, (Latest Edition)~~

~~[56] ASME BPV Code, Section II, Materials, (Latest Edition)~~

~~[67] ASME BPV Code, Section IX, Welding and Brazing Qualifications, (Latest Edition)~~

14. Page 19 - Part 2 NDE Personnel Qualification and Certification Requirements Section 2-1.1 General, 2-1.2 Trainee and 2-1.3 Level I

a. These Levels of Qualification and Certification currently apply to the following NDE methods:

- i. ET – Electromagnetic (Eddy Current) Testing
- ii. ~~LT – Leak Testing~~
- iii. MT – Magnetic Particle Testing
- iv. PT – Liquid Penetrant Testing
- v. RT – Radiographic Testing
- vi. UT – Ultrasonic Testing
- vii. VT – Visual Testing

b. 2-1.2 TRAINEE

~~A Trainee is an individual pursuing qualification and certification under the direction of a certified Level I, II or III personnel in the method while gaining appropriate experience in the applicable NDE method, who is not yet certified to any level. Trainees shall gain experience by performing work with at least a NDE Level I and these individuals shall perform this work under the direction of a NDE Level II or NDE Level III. Additionally, a trainee shall not independently conduct any examinations, evaluate or accept the results of examinations or document examination results.~~

c. 2-1.3 LEVEL I

(a) ~~A certified Level I shall have received documented training and experience to demonstrate competence in setting up equipment, performing examinations and recording results in accordance with written instructions. With prior documented Level III approval, a Level I may perform acceptance or rejection of indications in accordance with specific instructions, unless restricted by SIS requirements as listed in the Mandatory Appendices of this Standard or by a referenced Code, Standard, Specification, Procedure or Instruction. the skills and knowledge to properly perform specific calibrations, specific examinations and with prior written approval of a NDE Level III, perform specific interpretations and evaluations for acceptance or rejection and document the results, in accordance with specific NDE Level III approved procedures. These activities shall be conducted under the guidance of Level II or Level III personnel. The extent to which Level I personnel are permitted to evaluate or accept the results of a NDE may be restricted by the referencing Code, Standard, Specification, Procedure or Instruction.~~

15. Page 20 – Section 2-1.4 Level II, Section 2-1.5 Level III

a. 2-1.4 LEVEL II

~~A certified Level II shall have received documented training and experience to demonstrate competence in performing NDE in the method certified including acceptance or rejection of indications in accordance with Level III approved procedures. the skills and knowledge to set up and calibrate equipment, to conduct examinations and to interpret, evaluate and document results in accordance with procedures approved by a NDE Level III. The Level II shall also be capable of providing direction, assist in training or both to trainees and Level I individuals. be thoroughly familiar with the scope and limitations of the method to which the Level II is certified and should be capable of directing the work of trainees and Level I personnel. The Level II shall be able to organize and report NDE results.~~

b. 2-1.5 LEVEL III

~~(a) A certified Level III shall have demonstrated competence in performing NDE in the method including evaluation of indications in accordance with applicable requirements and the skills and knowledge the following to:~~

~~(1a) Develop procedures and instructions. Establish techniques;~~

~~(2b) Evaluate and apply applications and examination results in terms of existing applicable Codes, Standards, Specifications, Procedures or Instructions;~~

~~(3c) Specify Designate an examination the particular method, procedure or instruction technique to be used and to develop acceptance standards where none exist;~~

(4d) Provide training, direct field experience (administer Qualification/ Continuity Cards) and examine NDE personnel in the NDE methods for which the Level III is qualified per the requirements of subsection 1-5.3. Verify the adequacy of NDE procedures; and

(5e) Develop NDE techniques and assist in establishing acceptance criteria where none are otherwise available based on sufficient practical knowledge of applicable materials, fabrication, processes and product technology. Have general familiarity with all NDE methods covered in Table 2-1.5-1 of this Standard.

(b) A Level III shall be capable of conducting or directing the training and examining of NDE personnel in the NDE methods for which the Level III is qualified per the requirements of subsection 1-5.3.

16. Page 21 – NDE Certification Examinations 2-2.2 General, 2-2.2 Written Examinations, 2-2.3 Practical Demonstrations
- The purpose of the JTA is to get data to support the development of performance-based standards examinations. The data is used to develop BoKs, written examinations and practical demonstrations that are developed by SMEs-tests, training and criteria to judge experience and based on perform written examinations and practical demonstrations that are developed by SMEs.
 - (b) Level I, Level II and Level III NDE personnel are required to take written examinations for certification that shall be based on the ANDE Committee applicable SIS Committee approved JTAs and their BoK requirements.
 - (c) All written examination questions shall be developed and maintained by the CB from approved JTAs with their BoK requirements and shall include questions addressing:
 - (e) Written examinations shall be approved, administered and graded by the CB in accordance with specific procedures approved by the ANDE Committee applicable SIS Committee.
 - (b) NDE Procedure Qualification – To assure effective and consistent evaluation of personnel, the NDE procedures used for practical demonstrations shall be qualified approved by the ANDE Committee applicable SIS Committee.
17. Page 22 - 2-2.3 Practical Demonstrations
- (-c) The flaws in the representative test samples required in 2-2.3(c)(2)(-a) may be actual or simulated flaws and shall range in size from below the minimum detectable acceptable flaw size required by the applicable Code, Standard, Procedure or Instruction and to not more than the maximum size specified by the SIS Committee.
 - (-d) All test samples and grading units shall be approved by the ANDE Committee applicable SIS Committee.
18. Page 23 - 2-2.3 Practical Demonstrations
- A standardized checklist approved by the ANDE Committee applicable SIS Committee shall be used in grading of Level I, II or III practical demonstrations.
 - All practical demonstrations shall be graded by the CB in accordance with the ANDE Committee applicable SIS Committee approved procedures.
19. Page Table 2-1.5-1 NDE Written Examinations
- (3) X = Numbers of examination questions shall be determined by the CB using psychometric processes approved by the ANDE Committee applicable SIS Committee.
20. Page 25 – QC Methods and Levels of Qualification 3-1.2 Level II, 3-1.2 Level III
- A Level II QC personnel inspector shall have all of the capabilities for performing...
 - Additionally, a Level II personnel inspector shall have demonstrated...
 - (b) Evaluate and apply Interpret Codes, Standards Specifications, Procedures and Instructions
21. Page 26 – QC Examinations 3-2.1 General, 3-2.2 Written Examinations
- The purpose of the JTA is to get data to support the development of performance-based standards examinations. The data is used to develop BoKs, written examinations and practical demonstrations that are developed by SMEs-tests, training and criteria to judge experience. and based on perform written examinations and practical demonstrations that are developed by SMEs.
 - Level II and Level III QC Inspection personnel are required to take written examinations for certification that shall be based on the ANDE Committee applicable SIS Committee approved JTAs and their BoK requirements.
 - with specific procedures approved by the ANDE Committee applicable SIS Committee.

22. Page 27 – 3-2.3 Practical Demonstrations
- a. The CB shall use a standardized checklist approved by the ANDE Committee applicable SIS Committee...
 - b. Practical demonstrations shall be graded by the CB in accordance with the ANDE Committee applicable SIS Committee approved procedures.
23. Page 28 Table 3-2.2-1 QC Written Examinations
- a. (5) X = Numbers of examination questions shall be determined by the CB using psychometric processes approved by the ANDE Committee applicable SIS Committee.
24. Page 29 - MANDATORY APPENDIX I NUCLEAR NDE AND QC SPECIFIC INDUSTRY SECTOR REQUIREMENT – I-1 General, I-2 Sector Requirements, I-2.3 Responsibilities
- a. (b) This Any industry sector shall may set up a SIS Committee that provides technical guidance and oversight to the CB in accordance with this Standard, and may meet some or all of the requirements for the responsibilities of an Employer of NDE or QC personnel in this Standard.
 - b. (c) Within this Appendix the subsection titles under each set of requirements for this each SIS...
 - c. I-2 NUCLEAR SECTOR REQUIREMENTS
 - d. This Section of this Appendix contains specific requirements for NDE and QC inspection personnel
 - e. ... qualification and certification of NDE and QC personnel inspectors.
 - f. This SIS Committee establishes qualification and certification requirements for specific industry applications and advises the CB on all technical and procedural matters concerning those qualification and certification requirements.
 - g. When a SIS Committee is used for NDE or QC personnel qualification and certification, it shall be responsible for developing a program to collectively meet some or all of the requirements for the responsibilities of an Employer of NDE or QC personnel in accordance with this Standard.
 - h. This SIS Committee shall be used to provide oversight of CB activities performed in accordance with this Standard. The oversight activities shall be accomplished by an audit, assessment or surveillance and the frequency shall be determined by this SIS Committee.
25. Page 30 - I-2.3 Responsibilities Specific Industry Sector Committee for NDE or QC Inspection Personnel Qualification and Certification, I-2.4 Responsibilities – Quality Assurance Program NDE and QC and I-2.6 Maintenance of Certification
- a. References [23] and [34], its QA program shall meet the requirements of References [45] Code of Federal Regulations, Title 10, Part 50, Appendix B or [42] ASME NQA-1, as applicable. Part 1., Basic Requirements and Supplementary Requirements for Nuclear Facilities, NQA-1-2008 Edition with the NQA-1a-2009 Addenda.
 - b. the CB QA program shall meet the requirements of the latest Edition of ASME-NQA-1, as applicable, Reference [42] or the Code of Federal Regulations, Title 10, Part 50, Appendix B, Reference [5].
 - c. Reference [43] or ASME Code Section XI, Division 1, Reference [24] an Authorized Nuclear Inspector Section III
26. Page 31 – I-2.8 NDE Certification Examinations – Written Examinations and I-2.9 QC Certification Examinations – Written Examinations
- a. Reference [23] and Section XI, Division 1, Reference [34] and may include NDE personnel qualification requirements from other Codes and Standards that are used to support References [23] and [34].
 - b. Reference [56], Section III, Division 1, Reference [23] and Section IX, Reference [67].

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2 Normative references

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

2.1 Normative references for plastic pipe and related components

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CAN/CSA C448 Series 02 ~~2013(R2012)~~. *Design and Installation of Earth Energy Systems*^{Error! Bookmark not defined.}

Reason: This was a correction to the reference to update it to the most recent edition of the standard.

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NSF/ANSI Standard 50 – Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

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X.3 Operation and installation instructions

The manufacturer shall provide written operation and installation instructions with each unit. The instructions shall include drawings, charts, and parts list necessary for the proper installation, operation, repair and maintenance of the heater and its associated components.

The operation and installation instruction shall contain the following information:

— A heater's maximum flow rating (LPM, GPM) shall be specified based on the nominal pipe size (or less if requested by the manufacturer) intended to plumb the pressure line. The maximum velocity for any nominal pipe size connection to the heater shall not exceed 3.05 MPS (10 FPS) for PVC pipe, 5 fps for copper pipe or flow rates appropriate for any other piping material to minimize potential corrosion and scale formation;

— A heater's minimum flow rating (LPM, GPM) shall be specified to prevent overheating or scale formation as directed by the manufacturer.

— A warning that the heater equipment is to be installed in full compliance with the manufacturer's recommendations as well as the local regulatory and building code requirements for gas supply, plumbing, electrical connections, air exchange and ventilation. Corrosive chemicals should be stored away from the heater to minimize potential damage to the exterior of the heater;

— A warning that the heater equipment is not to be installed immediately after the injection point for low pH or acidic chemicals to minimize potential corrosive damage to the inside of the heater;

— Reference to recommended use chemicals, maximum, and minimum concentrations (i.e., salt level, total alkalinity, calcium hardness, etc.);

— Applicable caution and warning statements shall be prominently displayed;
Example: If system flow is allowed to stagnate in a solar collector there is potential risk of high water temperatures. Consider draining the system otherwise water in solar collectors can reach high temperatures and create hot liquid/gas. If hot liquids or gas are not purged from the system it could adversely affect plumbing, or the safety of swimmers near water return fittings.

— Instructions or guidance for proper size selection and installation;

— A statement of the manufacturer's warranty, if any; and

— Applicable diagrams and a parts list to facilitate the identification and ordering of replacement parts or other supply and installation needs.

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Please note all changes from revision 1 are replaced with this ballot document. No changes are being proposed to section 1.5, 6.6.1, 6.6.3, 6.9.1 and 6.9.2.

⋮

6.6 Pump performance curve

6.6.1 For each pump model or model series, the manufacturer shall provide a pump performance curve that plots the pump's total dynamic head versus the discharge flow rate. The manufacturer shall also have a curve available that plots the net positive suction head (NPSH) or total dynamic suction lift (TDSL), brake horsepower, and pump efficiency in relation to the performance curve.

NOTE – Pumps with a rating of 5 HP (03.7 kW) or less are not required to have a NPSH curve.

6.6.2 The actual pump curve, as determined in accordance with Annex C, section C.1, shall be within a range of -3% to +5% of the total dynamic head or -5% to +5% of the flow, whichever is greater, indicated by the performance curve. Data taken above 90% full flow shall not be judged to the acceptance criteria. **Pumps with more than one operating speed shall be tested as documented below:**

- Fixed multispeed pump or motor assemblies, test at each speed; or
- Variable speed pump or motor assemblies, test at 100%, 50%, and the lowest speed.

Reason: Establishes requirements for multispeed or variable speed pumps.

⋮

~~C.4 Pump curve and energy efficiency performance~~

~~C.4.1 Purpose~~

~~This establishes the pump performance curve per NSF/ANSI 50, Annex C.1, and energy efficiency performance per California Energy Commission CEC-400-2009 Title 20.~~

~~C.4.2 Functions and variables~~

~~Three functions (curves) shall be calculated (plotted) on the same graph as the pump curve determined in accordance with C.1.~~

~~A: $H = 0.0167 \times F^2$~~

~~B: $H = 0.050 \times F^2$~~

~~C: $H = 0.0082 \times F^2$~~

~~Where~~

~~H = system head in feet of water (ft)~~

~~F = flow rate in gallons per minute (gpm)~~

~~Function A corresponds to a system with a flow rate of 60 gpm at 60 ft (18.3 m) of head, typical of new pool construction using 2 in (51 mm) PVC pipe.~~

~~Function B corresponds to a system with a flow rate of 40 gpm at 80 ft (24.4 m) of head, typical of older pool construction using 1.5 in (38 mm) copper pipe.~~

~~Function C corresponds to a system with a flow rate of 110 gpm at 100 ft (30.5 m) of head.~~

~~C.4.3 Energy factor~~

~~For each function (A, B, or C) the system pump head shall be adjusted until the flow and head lie on the curve. The following shall be tested and reported for each curve for single-speed pumps, or for each curve at both highest and lowest speeds for two-, multi-, or variable-speed pumps.~~

~~C.4.3.1 Function A~~

~~The system head shall be adjusted so that the function graph (A) intersects the pump curve developed in C.1~~

~~Record:~~

~~— system head (ft of water);~~

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Draft 1, Issue 77 (November 2014)

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- flow (gpm);
- power (watts); and
- Energy Factor (EF) (gallons per watt hour):

Where the Energy Factor (EF) is calculated:

$$EF = \{[\text{flow (gpm)} \times 60 \text{ (min/hr)}] / \text{power (watts)}\}$$

C.4.3.2 Function B

The system head shall be adjusted so that the function graph (B) intersects the pump curve developed in C.1

Record:

- system head (ft of water);
- flow (gpm);
- power (watts); and
- Energy Factor (EF) (gallons per watt hour):

Where the Energy Factor (EF) is calculated:

$$EF = \{[\text{flow (gpm)} \times 60 \text{ (min/hr)}] / \text{power (watts)}\}$$

C.4.3.3 Function C

The system head shall be adjusted so that the function graph (C) intersects the pump curve developed in C.1

Record:

- system head (ft of water);
- flow (gpm);
- power (watts); and
- Energy Factor (EF) (gallons per watt hour):

Where the Energy Factor (EF) is calculated:

$$EF = \{[\text{flow (gpm)} \times 60 \text{ (min/hr)}] / \text{power (watts)}\}$$

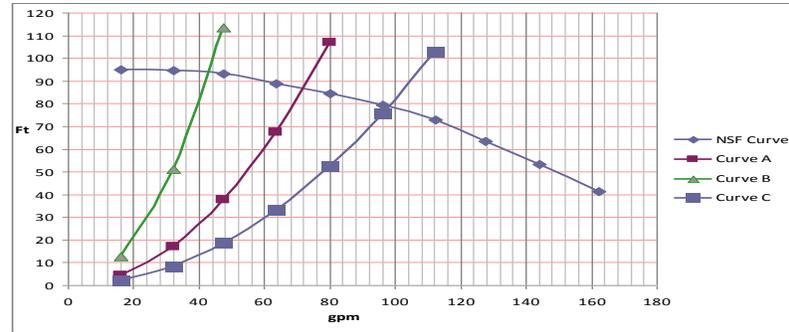
C.4.4 Examples Table 1 and Graph A

Capacity (gpm)	Total Head (ft H ₂ O)	Kilowat ts Used	Volts	Total Amps	Power Factor	A	B	C	Energy Factor
						0.0167F ²	.05F ²	0.0082 F ²	
162.2	41.3	3.8	562.8	13.22	0.902	439.4	1315.4	215.73	2.56
144.1	53.4	3.68	561.5	12.72	0.91	346.8	1038.2	170.27	2.35
127.4	63.4	3.57	561.8	12.31	0.918	271.1	811.5	133.09	2.14
112.1	72.7	3.53	562.2	11.91	0.928	209.9	628.3	103.04	1.91
96	79.5	3.46	563.3	11.5	0.941	153.9	460.8	75.571	1.66
80.1	84.5	3.37	564.1	11.08	0.953	107.1	320.8	52.611	1.43
63.6	89	3.3	564.6	10.64	0.967	67.6	202.2	33.169	1.16
47.6	93.1	3.2	564.6	10.21	0.979	37.8	113.3	18.579	0.89
32	94.7	3.12	564.6	9.84	0.989	17.1	51.2	8.3968	0.62
15.9	95.1	3.02	564.7	9.48	0.997	4.2	12.6	2.073	0.32

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Graphic to be removed as part of this ballot.

Graph A: Example

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Sustainability Assessment for – Resilient Floor Coverings

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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 recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

Reason: This statement is being added to all NSF standards to clarify when a reference is undated, that the most recent version is the default.

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5.2.4 Environmental Product Declarations

The manufacturer shall receive one point if it completes an Environmental Product Declaration (EPD) conducted in accordance with ISO 14025 following the requirements of an open consultative-based Product Category Rule (PCR). The EPD shall be validated by an independent third party for the product undergoing assessment.

Reason: This promotes companies ability to receive recognition for those who have developed an EPD to the flooring PCR.

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BSR/UL 4200A, Standard for Products Incorporating Button or Coin Cell Batteries of Lithium and Similar Technologies

1. *Proposed First Edition of the Standard for Safety for Products Incorporating Button or Coin Cell Batteries of Lithium and Similar Technologies, UL 4200A*

1.1 These requirements cover household type products that incorporate or may use button or coin cell batteries of lithium or similar technologies.

1.2 These requirements do not cover products that exclusively use forms of batteries other than lithium button or coin cells.

1.3 These requirements ~~do not~~ apply to consumer products containing lithium button or coin cells. They do not apply to products that by virtue of their dedicated purpose and instructions are not intended to be used in locations where they may be accessed by children, such as products for dedicated professional use or commercial use in locations where children are not normally or typically present.

7.2 Products incorporating a replaceable button/coin cell battery shall be marked with the safety alert symbol (exclamation point within a triangle) in accordance with the Standard for Product Safety Signs and Labels, ANSI Z535.4, and the words "WARNING: Chemical Burn Hazard. ~~Do not allow~~ Keep batteries away from children. to be swallowed. See Manual."

Exception: Where it is not possible to mark the words due to the size of the product, or where symbols are permitted by the end-use standard in lieu of the wording, the symbol alone may be placed close to the battery compartment.

8.2 The instructions for products with replaceable button/coin cell batteries shall identify the product containing the button/coin cell battery and state verbatim:

- a) The safety alert symbol (exclamation point within a triangle) in accordance with the Standard for Product Safety Signs and Labels, ANSI Z535.4, and the words "WARNING: Chemical Burn Hazard. ~~Do not allow~~ Keep batteries away from children. to be swallowed"; and
- b) The following or equivalent: "This product contains a lithium button/coin cell battery. If ~~the a~~ new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. ~~Keep new and used batteries away from children~~. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention."

8.3 The instructions for products with replaceable button/coin cell batteries shall indicate:

- a) The ~~button~~ cells shall be disposed of properly, including keeping them away from children; and
- b) Even ~~discharged~~ used cells may cause injury.

BSR/UL 558, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered

1. Removal of “G/LP” from Section 28

PROPOSAL

28 Fill and Vent Fittings - Self-Closing Type - Types GS, DS, ~~G/LP~~, GS/LPS

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BSR/UL 1254, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units

1. Editorial correction to scope

PROPOSAL

1.3 Pre-engineered dry chemical extinguishing system units covered by these requirements are intended to be used in the following fire protection systems:

- a) Industrial Total Flooding Protection System - A system arranged to discharge dry chemical throughout the intended protected volume. See Fire Test - Total Flooding Protection System, Section 26.
- b) Class B Local Application Protection System - A system arranged to discharge dry chemical directly onto a specific area of protection. This application of chemical is normally used where no fixed enclosure exists or an extinguishing system is unable to totally flood the fixed enclosure to achieve extinguishment. See Fire Test - Class B Local Application Protection System, Section 27.
- c) Commercial Cooking Equipment Protection System - A system arranged to discharge dry chemical onto cooking surfaces of cooking appliances and into hood and duct systems used for ventilation of commercial cooking appliances. See the Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment, UL 300.
- d) Automobile Service Station Fueling Area Protection System - A system arranged to discharge dry chemical directly onto small spill fires that originate and are maintained within the protected area. See Fire Test - Automobile Service Station Fueling Area Protection System, Section 28.
- e) Open-Face Paint Spray Booth Protection System - A system arranged to discharge dry chemical into paint spray working areas and into the plenum and duct systems used for ventilation of paint spraying operations. See Fire Test - Open-Face Point Spray Booth Protection System, Section 29.
- f) Vehicle Paint Spray Booth - A system arranged to discharge dry chemical into paint spray working areas and onto the plenum and duct systems used for ventilation of paint spraying operations. See Fire Test - Vehicle Paint Spray Booth Protection System, Section 30.
- g) Off-the-Road Vehicle Protection System - A system arranged to discharge dry chemical onto fire risk areas and into volumes of vehicles such as aboveground mobile mining equipment, and mobile earthmoving equipment. See Fire Test - Total Flooding Protection System, Section 26, and/or Fire Test - Class B Local Application Protection System, Section 27, as applicable.

2. Nozzle protective covers

PROPOSAL

24.2 Each nozzle is to be provided with a noncombustible protective cover, such as a blow-off cap, blow-off plug, or other similar device.

24A Nozzle Protective Covers

24A.1 Discharge nozzles shall be provided with a protective cover, such as a blow off cap, blow off plug, or other similar device, intended to protect the outlet orifice of the nozzle during normal installation. Nozzle protective covers shall be evaluated and found to comply with the applicable requirements outlined in Sections 31A, Nozzle Protective Cover Function Test; 31B, Nozzle Protective Cover Deposit Loading Test; and 36, Salt Spray Corrosion Test.

31A Nozzle Protective Cover Function Test

31A.1 When tested in accordance with 31A.2 - 31A.4, a nozzle fitted with its protective cover shall operate within 5 seconds after the application of pressure. Any lodgment is to be cleared within this 5 second period.

31A.2 Each sample is to be subjected to 75 percent of the minimum operating pressure and 100 percent of the maximum operating pressure. Each sample shall be dried prior to the application of pressure.

31A.3 Each sample is to be tested in a representative mounting position.

31A.4 Lodgment is determined to have occurred when the protective cover lodges in such a way that the distribution of extinguishing agent is altered for longer than 5 seconds.

31B Nozzle Protective Cover Deposit Loading Test

31B.1 After exposure to a carbon dioxide-sulfur dioxide atmosphere in accordance with 31B.2 - 31B.5 for 30 days, each nozzle protective cover shall function as intended within

5 seconds after the application of pressure. Any lodgment of is to be cleared within this 5 second period.

31B.2 After the carbon dioxide-sulfur dioxide exposure, each sample is to be dried at 120 ±5°F (49 ±2°C) in an automatically-controlled, circulating-type, constant temperature oven for not less than 24 hours or more than 72 hours prior to being operated.

31B.3 Each sample is to be exposed to a moist carbon dioxide-sulfur dioxide air mixture in a closed chamber maintained at 95 ±3°F (35 ±1.7°C). Each sample is to be supported in a manner to permit the external parts to be exposed to the gases, such as by placing each sample on polymeric light diffuser trays with nominal 0.5 by 0.5 inch (12.7 by 12.7 mm) openings. On five days out of every seven, an amount of carbon dioxide equivalent to 1.0 percent of the volume of the chamber, plus an amount of sulfur dioxide equivalent to 1.0 percent of the volume are to be introduced. Prior to each introduction of gas, the remaining gas-air mixture from the previous day is to be thoroughly purged from the chamber. On the two days out of every seven that this does not occur, the chamber is to remain closed and no purging or introduction of gas is to be provided. A small amount of water (10 ml/0.003 m³ of chamber volume) is to be maintained at the bottom of the chamber for humidity. This water is to be replaced weekly.

31B.4 After exposure to the carbon dioxide-sulfur dioxide air mixture, each sample is to be dried as specified in 31B.2. Each sample is then to be stored at 70 ±5°F (21 ±3°C) for at least 24 hours prior to installation onto piping in a representative orientation and supplied with pressure at 75 percent of the minimum operating pressure.

31B.5 CAUTION - Sulfur dioxide is a toxic gas. This gas must be stored, transferred, and used only with gastight systems. Adequate ventilation must also be provided to handle leakage. Presence of this gas is readily noticeable. Due to its unpleasant odor and irritant effect, it gives warning of its presence.

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