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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: July 15, 2012

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.44-201x, Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems up to 5 psi (revision of ANSI/ASME B16.44-2002 (R2007))

This Standard applies to new valve construction and covers quarter-turn manually operated metallic valves in sizes NPS 4-1/4 and tubing sizes 1-1/4 O.D. These valves are intended for indoor installation as gas shutoff valves when installed in aboveground fuel gas piping downstream of the gas meter outlet and upstream of the inlet connection to a gas appliance. The valves covered by this Standard are intended for service at temperatures between 32°F (0°C) and 125°F (52°C) at pressure ratings not to exceed 5 psi (0.34 bar). When so designated by the manufacturer, these valves may be installed for service outdoors and/or at temperatures below 32°F (0°C) and/or above 125°F (52°C).

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

Send comments (with copy to psa@ansi.org) to: Frankel Huang, (212) 591-2000, HuangF@asme.org

SPRI (Single Ply Roofing Institute)

New Standard

BSR/SPRI/RCI NT-1-201x, Detection and Location of Latent Moisture in Building Roofing Systems by Nuclear Radioisotopic Thermalization (new standard)

This standard provides a minimum set of procedures for conducting surveys of moisture in membrane roofing systems, and for analyses of the data obtained in such surveys. Included are operating procedures, operator qualifications, verification, and reporting procedures. It addresses the effect of roof construction, material differences and roof conditions on the numerical data output provided by the nuclear equipment; the limitations in the use of radioisotopic thermalization; and the governmental control of the equipment used to conduct nuclear moisture surveys.

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

Send comments (with copy to psa@ansi.org) to: Linda King, (781) 647-7026, info@spri.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 100-201x, Standard for Sustainability for Gypsum Boards and Panels (new standard)

Proposes revisions to the proposed First Edition of the Standard for Sustainability for Gypsum Boards and Panels, UL 100.

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

Send comments (with copy to psa@ansi.org) to: Tim Corder, (919) 549-1841, William.T.Corder@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 207-201x, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical (revision of ANSI/UL 207-2009)

The following is being recirculated:

(2) Clarifications to pressure vessel, strength, fatigue and marking requirements in addition to other editorial corrections

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

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 484-2012a)

The following is being recirculated:

(1) Addition of Supplement SB, requirements for smart enabled room air conditioners.

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

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 796F-201x, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2012a)

This proposal for UL 796F is a clarification of requirements for the Flammability Test of Conductive Paste, described in Section 5.15.2.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1029-201X, Standard for Safety for High-Intensity-Discharge Lamp Ballasts (revision of ANSI/UL 1029-2011)

The following changes in requirements to UL 1029 are being proposed:

(1) Revision to Input Test to include input current limits during lamp starting and lamp out conditions.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2515-201x, Standard for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (Proposal dated 6-15-2012) (revision of ANSI/UL 2515-2009)

Document (dated 6-15-2012) proposes revisions that correlate the minimum and maximum socket depth requirements of UL 2515 with UL 2420, Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings.

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

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

Comment Deadline: July 30, 2012

ADA (American Dental Association)

New National Adoption

BSR/ADA Specification No. 96-201x, Dental Water-Based Cements (national adoption of ISO 9917-1:2007 and ISO 9917-2:2010 with modifications and revision of ANSI/ADA 96-2000 (R2005))

This standard specifies requirements for the following types of dental cements, including both hand-mixed and capsulated cements for mechanical mixing, that are intended for permanent cementation, lining, and restoration, and that effect setting only by an aqueous acid-base reaction.

Single copy price: \$246.00

Obtain an electronic copy from: standards@ada.org

Order from: Kathy Medic, (312) 440-2533, medick@ada.org

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

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 59.3-1992 (R201x), Nuclear Safety Criteria for Control Air Systems (reaffirmation of ANSI/ANS 59.3-1992 (R2002))

This standard provides criteria for the control air system that furnishes compressed air to nuclear safety-related components and other equipment that could affect any nuclear safety-related function in nuclear power plants.

Single copy price: \$51.00

Obtain an electronic copy from: pschroeder@ans.org

Order from: Sue Cook, (708) 579-8210, orders@ans.org; scook@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B30.16-2007, Overhead Hoists (Underhung) (revision of ANSI/ASME B30.16-2007)

Volume B30.16 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of hand chain-operated chain hoists and electric and air-powered chain and wire rope hoists used for, but not limited to, vertical lifting and lowering of freely suspended, unguided loads that consist of equipment and materials.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, ANSIBOX@asme.org

Send comments (with copy to psa@ansi.org) to: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

ASSE (American Society of Sanitary Engineering)

Revision

BSR/ASSE Series 6000-201x, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE 6000-2006)

Applies to individuals who install, inspect, verify and maintain medical gas and vacuum systems as well as to those who install and verify bulk medical gas systems. The standards also apply to the individuals who instruct medical gas systems personnel. The standards establish minimum certification requirements. Medical gas systems and equipment covered in these standards include health care facilities within the scope of NFPA 99 -2012, Health Care Facilities Code.

Single copy price: \$60.00

Obtain an electronic copy from: elaine@asse-plumbing.org

Order from: Elaine Mathieson, (440) 835-3040, membership@asse-plumbing.org

Send comments (with copy to psa@ansi.org) to: Marianne Waickman, (440) 835-3040, Marianne@asse-plumbing.org

ATIS (Alliance for Telecommunications Industry Solutions)

New Standard

BSR ATIS 0600029-201x, Standard for Irreversible Compression Lugs, Inline Splices, and Taps (new standard)

This standard covers requirements for copper irreversible compression lugs, inline splices, and taps used in telecommunications systems, including buried connections.

Single copy price: \$100.00

Obtain an electronic copy from: Kconn@atis.org

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR ATIS 0100030-201x, Mean Time Between Outages - A Generalized Metric for Assessing Production Failure Rates in Telecommunications Network Elements (revision of ANSI ATIS 0100030-2010)

The Mean Time Between Outages (MTBO) metric provides the frequency of all telecommunications network element failures (hardware and software) attributed to equipment supplier, including customer impacting short duration outages. By contrast, the traditional Mean Time Between Failure (MTBF) metric only addresses total failures that lead to element replacement. The MTBO metric has been accepted as a key industry metric by the QuEST Forum/TL9000 organization.

Single copy price: \$100.00

Obtain an electronic copy from: Kconn@atis.org

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR ATIS 0300003-201x, XML Schema Interface for Fault Management (Trouble Administration) (revision of ANSI ATIS 0300003-2010)

This standard (formerly known as T1.278) provides an XML schema information model for Trouble Administration based on T1.227-2000/T1.228-1995 (R1999) and an XML schema interface for Trouble Administration functions and services specified in the same ANSI standards.

Single copy price: \$250.00

Obtain an electronic copy from: kconn@atis.org

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

Supplement

BSR ATIS 0300227.a-201x, Supplement to Operations, Administration, Maintenance, and Provisioning (OAM&P) - Interfaces Between Operations Systems Across Jurisdictional Boundaries to Support Fault Management (Trouble Administration) (supplement to ANSI ATIS 0300227-2008)

This supplement adds an additional type of authorize-to-work to the ActivityType supporting production in section 7.5 of ATIS 0300227.

Single copy price: \$25.00

Obtain an electronic copy from: kconn@atis.org

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

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

AWS (American Welding Society)

New Standard

BSR/AWS B5.2-201x, Specification for the Training, Qualification, and Company Certification of Welding Inspector Specialists and Welding Inspector Assistants (new standard)

This specification defines the requirements and program for an employer (company) to train, qualify, and company certify Welding Inspector Specialists and Welding Inspector Assistants to contract or industry-specific inspector standards. The program is developed as a written practice and controlled by an employer. The qualification requires documentation of experience, training, and satisfactory completion of an examination.

Single copy price: \$25.00

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, Ext. 466, adavis@aws.org; roneill@aws.org

AWS (American Welding Society)

Revision

BSR/AWS B2.3/B2.3M-201x, Specification for Soldering Procedure and Performance Qualification (revision and redesignation of ANSI/AWS B2.3-2007)

This specification provides the requirements for qualification of soldering procedure specifications, solderers, and soldering operators for manual, mechanized, and automatic soldering. The soldering processes included are torch soldering, furnace soldering, induction soldering, resistance soldering, dip soldering, infrared soldering, and induction soldering. Base metals, soldering filler metals, soldering fluxes, soldering atmospheres, and soldering joint clearances are also included.

Single copy price: \$39.50

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, Ext. 466, adavis@aws.org; roneill@aws.org

AWS (American Welding Society)

Revision

BSR/AWS G2.3M/G2.3-201x, Guide for the Joining of Solid Solution Austenitic Stainless Steels (revision of ANSI/AWS G2.3M/G2.3:2009)

This guide presents a description of solid solution austenitic stainless steels and the processes and procedures that can be used for the joining of these materials. This standard discusses the welding processes and welding parameters, qualifications, inspection and repair methods, cleaning, and safety considerations. Practical information has been included in the form of figures, tables, and graphs that should prove useful in determining capabilities and limitations in the joining of austenitic stainless steels.

Single copy price: \$70.00

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, Ext. 466, adavis@aws.org; roneill@aws.org

AWWA (American Water Works Association)

Revision

BSR/AWWA C208-201x, Dimensions for Fabricated Steel Water Pipe Fittings (revision of ANSI/AWWA C208-2007)

This standard provides formulas to calculate overall dimensions of fittings for steel water transmission and distribution facilities. Many configurations of fittings are possible and alternatives to this standard may be agreed on between the purchaser and manufacturer. The fitting dimensions shown in Figures 1 through 5 are the minimum dimensions for fittings with plain ends. In practice, fittings are seldom provided as individual pieces as shown but are shop fabricated into full or special lengths of pipe or fabricated into assemblies, combining a number of fittings.

Single copy price: \$20.00

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

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

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

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

BSR/AWWA C111/A21.11-201x, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings (revision and redesignation of ANSI/AWWA C111-2006)

This standard describes rubber-gasket joints of the following types for ductile-iron pressure pipe and ductile-iron and gray-iron fittings, valves, hydrants, and other appurtenances for potable water, wastewater and reclaimed water supply service.

Single copy price: \$20.00

Obtain an electronic copy from: vdavid@awwa.org

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

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

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.18-201x, Materials and Finishes (revision of ANSI/BHMA A156.18-201x)

This Standard establishes finish test methods and code numbers for finishes on various base materials. It includes criteria for viewing comparative finishes to the BHMA match plates and establishes five categories of finishes.

Single copy price: 18.00 (BHMA members)/\$36.00 (nonmembers)

Order from: Michael Tierney, (212) 297-2127, mtierney@kellenccompany.com

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

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.20-201x, Strap and Tee Hinges, and Hasps (revision of ANSI/BHMA A156.20-2006)

This Standard establishes requirements for strap hinges, tee hinges, and hasps, and includes performance tests covering operational and strength criteria.

Single copy price: 18.00 (BHMA members)/\$36.00 (nonmembers)

Order from: Michael Tierney, (212) 297-2127, mtierney@kellenccompany.com

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

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.26-201x, Continuous Hinges (revision of ANSI/BHMA A156.26-2006)

This Standard establishes requirements for architectural continuous hinges used in building construction. Cycle, finish, abuse, overload, vertical wear, and strength tests are included.

Single copy price: 18.00 (BHMA members)/\$36.00 (nonmembers)

Order from: Michael Tierney, (212) 297-2127, mtierney@kellenccompany.com

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

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.29-201x, Exit Locks, Exit Alarms, Alarms for Exit Devices (revision of ANSI/BHMA A156.29-201x)

ANSI/BHMA A156.29 establishes requirements for exit locks, exit alarms and alarms for exit devices and includes operational and finish tests. Alarms for Exit Devices include operational tests only.

Single copy price: 18.00 (BHMA members)/\$36.00 (nonmembers)

Order from: Michael Tierney, (212) 297-2127, mtierney@kellenccompany.com

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

CSA (CSA Group)**Revision**

BSR Z21.1b-201x, Standard for Household Cooking Gas Appliances (revision of ANSI Z21.1-2005 (R2010); ANSI Z21.1a-2007 (R2010); and ANSI Z21.1b-2008 (R2010))

Details test and examination criteria for household cooking appliances for use with natural manufactured and mixed gases, liquefied petroleum gases and LP gas-air mixtures. The standard defines a household cooking gas appliance as an appliance for domestic food preparation, providing at least one function of

- (1) top or surface cooking;
- (2) oven cooking; or
- (3) broiling.

Single copy price: \$50.00

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

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

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

INMM (ASC N14) (Institute of Nuclear Materials Management)**New Standard**

BSR N14.6-200x, Special Lifting Devices for Shipping Containers Weighing 10,000 Pounds (4,500 kg) or More (new standard)

This standard sets forth requirements for the design, fabrication, testing, continuing compliance, operations, maintenance and repair, and quality assurance programs for special lifting devices for containers weighing 10,000 pounds (4,500 kg) or more for radioactive materials, and for those features of the attachment members of the container that affect the function and safety of the lift.

Single copy price: Free

Obtain an electronic copy from: N14Secretary@yahoo.com

Order from: Ronald Natali, (435) 258-3730, rbnatali1@yahoo.com

Send comments (with copy to psa@ansi.org) to: N14Secretary@yahoo.com

ISA (ISA)**New National Adoption**

BSR/ISA 75.01.01 (60534-2-1 Mod)-201x, Industrial-Process Control Valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions (national adoption of IEC 60534-2-1 with modifications and revision of ANSI/ISA-75.01.01 (IEC 60534-2-1 Mod)-2007)

This standard includes equations for predicting the flow coefficient of compressible and incompressible fluids through control valves.

Single copy price: \$250.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

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

New National Adoption

INCITS/ISO/IEC 19773-201x, Information technology - Metadata Registries (MDR) modules (identical national adoption of ISO/IEC 19773:2011)

ISO/IEC 19773:2011 specifies small modules of data that can be used or reused in applications. These modules have been extracted from ISO/IEC 11179-3, ISO/IEC 19763, and OASIS EBXML, and have been refined further. These modules are intended to harmonize with current and future versions of the ISO/IEC 11179 series and the ISO/IEC 19763 series. These modules include: reference-or-literal (reflit) for on-demand choices of pointers or data; multitext, multistring, etc. for recording internationalized and localized data within the same structure; slots and slot arrays for standardized extensible data structures; etc.

Single copy price: \$235.00

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

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

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

New National Adoption

INCITS/ISO/IEC 29500-1:2011, formation technology - Document description and processing languages - Office Open XML File Formats - Part 1: Fundamentals and Markup Language Reference (identical national adoption of ISO/IEC 29500-1:2011 and revision of INCITS/ISO/IEC 29500-1-2009)

ISO/IEC 29500-1:2011 defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations, based on the Microsoft Office 2008 applications. It specifies requirements for Office Open XML consumers and producers that comply to the strict conformance category.

Single copy price: \$285.00

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

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

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

New National Adoption

INCITS/ISO/IEC 29500-4:2011, Information technology - Document description and processing languages - Office Open XML File Formats - Part 4: Transitional Migration Features (identical national adoption of ISO/IEC 29500-4:2011 and revision of INCITS/ISO/IEC 29500-4-2009)

ISO/IEC 29500-4:2011 defines a set of XML elements and attributes, over and above those defined by ISO/IEC 29500-1, that provide support for legacy Microsoft Office applications; that is, those prior to the 2008 release. It specifies requirements for Office Open XML consumers and producers that comply to the transitional conformance category.

Single copy price: \$285.00

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

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

NEMA (ASC C136) (National Electrical Manufacturers Association)

Reaffirmation

BSR C136.6-2004 (R201x), Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability (reaffirmation of ANSI C136.6-2004)

This standard covers dimensional features of luminaires with metal heads that permit mechanical and optical interchangeability of both head and reflector assemblies.

Single copy price: \$35.00

Obtain an electronic copy from: http://global.ihs.com/search_res.cfm?RID=NEMA&input_doc_number=ansi_c136.6

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

Send comments (with copy to psa@ansi.org) to: Megan Hayes (megan.hayes@nema.org)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Reaffirmation

BSR C136.9-2004 (R201x), Roadway and Area Lighting Equipment - Socket Support Assemblies for Metal Heads - Mechanical Interchangeability (reaffirmation of ANSI C136.9-2004)

This standard covers the following equipment for use in metal heads that are in accordance with the latest revision of ANSI C136.6: high-intensity discharge lamp ballast and socket assemblies in accordance with Figure 1, and mogul and medium multiple incandescent lamp socket and support assemblies in accordance with Figure 2.

Single copy price: \$35.00

Obtain an electronic copy from: http://global.ihs.com/search_res.cfm?RID=NEMA&input_doc_number=ansi_c136.9

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

Send comments (with copy to psa@ansi.org) to: Megan Hayes (megan.hayes@nema.org)

NETA (InterNational Electrical Testing Association)

Revision

BSR/NETA ATS-201x, Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2009)

It is the intent of this document to assure that all tested electrical equipment and systems supplied by either contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

Single copy price: \$495.00

Obtain an electronic copy from: Kristen Wicks, NETA office

Order from: Kristen Wicks, (269) 488-6382, kwicks@netaworld.org

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

NISO (National Information Standards Organization)**New Standard**

BSR/NISO Z39.96-201x, JATS: Journal Article Tag Suite (new standard)

The purpose of the NISO Journal Article Tag Suite (NISO JATS) standard is to define a suite of XML elements and attributes that describes the content and metadata of journal articles—including research and non-research articles, letters, editorials, book and product reviews—with the intent of providing a common format in which publishers and archives can exchange journal content.

Single copy price: \$60.00

Obtain an electronic copy from: <http://jats.nlm.nih.gov/z39.96/1.0/>

Order from: <http://www.niso.org/contact/>

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

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

BSR/TAPPI T 547 om-201x, Air permeance of paper and paperboard (Sheffield method) (new standard)

This method is used to measure the air permeance of a circular area of paper using a pressure differential of approximately 10 kPa (1.5 psig). In order to accommodate a wide range of paper products, rubber clamping plates are available for five commonly used orifice diameters: 9.5 mm (0.375 in.), 19.1 mm (0.75 in.), 38.1 mm (1.50 in.), 57.2 mm (2.25 in.), and 76.2 mm (3.00 in.).

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

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

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

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA J-STD-025-B-3-201x, Lawfully Authorized Electronic Surveillance (LAES) - Addendum 3: Support for BSID or Subnet (addenda to ANSI/TIA J-STD-025-B-2006 (R2012))

This addendum consists of additions and modifications to ANSI/TIA J-STD-025-B for supporting BSID or Subnet information in the Location Information parameter type of the cdma2000 (R), Abstract Syntax for PacketData CII Delivery.

Single copy price: \$54.00

Obtain an electronic copy from: IHS

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

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

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

BSR/UL 2333-2003 (R201x), Standard for Safety for Infrared Thermometers (reaffirmation of ANSI/UL 2333-2003 (R2008))

UL proposes a reaffirmation for ANSI approval of UL 2333.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

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

BSR/UL 4248-4-2007 (R201x), Standard for Safety for Fuseholders - Part 4: Class CC (reaffirmation of ANSI/UL 4248-4-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-4.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

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

BSR/UL 4248-5-2007 (R201x), Standard for Safety for Fuseholders - Part 5: Class G (reaffirmation of ANSI/UL 4248-5-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-5.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

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

BSR/UL 4248-6-2007 (R201x), Standard for Safety for Fuseholders - Part 6: Class H (reaffirmation of ANSI/UL 4248-6-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-6.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

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

BSR/UL 4248-9-2007 (R201x), Standard for Safety for Fuseholders - Part 9: Class K (reaffirmation of ANSI/UL 4248-9-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-9.

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: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 4248-11-2007 (R201x), Standard for Safety for Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-11.

Single copy price: Contact comm2000 for pricing and delivery options

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Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 4248-12-2007 (R201x), Standard for Safety for Fuseholders - Part 12: Class R (reaffirmation of ANSI/UL 4248-12-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-12.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 4248-15-2007 (R201x), Standard for Safety for Fuseholders - Part 15: Class T (reaffirmation of ANSI/UL 4248-15-2007)

UL proposes a reaffirmation for ANSI approval of UL 4248-15.

Single copy price: Contact comm2000 for pricing and delivery options

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Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 471-201x, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2012)

The following is being proposed:

- (1) Revision to requirements with respect to flammable refrigerants, EPA SNAP differences; and
- (2) Addition of new requirements for commercial refrigerators and freezers intended for installation within motor fuel dispensing facilities.

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

VC (ASC Z80) (The Vision Council)

Revision

BSR Z80.11-201x, Laser Systems for Corneal Reshaping (revision of ANSI Z80.11-2007)

This standard applies to any laser system whose primary intended use is to alter the shape of the cornea through the removal of corneal tissue, resulting in the improvement of visual performance. This standard addresses the vocabulary, performance requirements, labeling, and clinical investigations necessary for this type of device.

Single copy price: \$45.00

Order from: Amber Robinson, (703) 740-1094, arobinson@thevisioncouncil.org

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

Comment Deadline: August 14, 2012

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

AGMA (American Gear Manufacturers Association)

Reaffirmation

BSR/AGMA 9005-E-2002 (R201x), Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-E-2002 (R2008))

This standard provides the end user, original equipment builder, gear manufacturer, and lubricant supplier with guidelines for minimum performance characteristics for lubricants suitable for use in general power transmission applications. These guidelines cover both open and enclosed gearing which have been designed and rated in accordance with applicable AGMA standards. The types of gearing included herein are metallic spur, helical including herringbone, straight and spiral bevel, and worm. These guidelines may or may not be applicable to non-metallic gears.

Single copy price: \$88.00

Order from: Charles Fischer, (703) 684-0211, fischer@agma.org; tech@agma.org

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

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

New Standard

BSR/ASHRAE Standard 195P-201x, Method of Test for Rating Air Terminal Unit Controls (new standard)

This standard specifies instrumentation and facilities, test installation methods, and procedures for determining the accuracy and stability of airflow control systems for terminal units at various airflow setpoints.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

CGA (Compressed Gas Association)

Revision

BSR/CGA G-13-201x, Storage and Handling of Silane and Silane Mixtures (revision of ANSI/CGA G-13-2006)

This standard governs the installation of systems and sources that are used to store, transfer, or contain silane or silane mixtures. The scope of this standard includes guidance for siting, design of equipment, piping and controls, and the fabrication and installation of silane gas storage and closed-use systems. Additional guidance on operational steps associated with the use of silane and silane mixtures as well as fire protection, gas monitoring, ventilation, and related safeguards are provided.

Single copy price: Free (CGA member e-pub); \$79.00 (CGA member hardcopy); \$122.00 (Nonmember e-pub); \$144.00 (nonmember hard copy)

Obtain an electronic copy from: www.cganet.com

Order from: www.cganet.com

Send comments (with copy to psa@ansi.org) to: Kristy Morrison, 703-788-2728, kmorrison@cganet.com

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 203A-201x, Standard for Safety for Sway Brace Devices for Sprinkler System Piping (new standard)

The requirements for UL 203A cover sway brace devices intended to protect sprinkler system piping in locations subject to earthquakes. These devices are intended for installation in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.

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: Derrick Martin, (408) 754-6656, Derrick.L.Martin@ul.com

Projects Withdrawn from Consideration

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

ASTM (ASTM International)

BSR/ASTM/ISO 8836-2007 (200x), Third edition 2001-09-01 Suction Catheters for use in the Respiratory Tract (identical national adoption of ISO 8836)

ASTM (ASTM International)

BSR/ISO 2431-200x, Paints and Varnishes - Determination of Flow Time by Use of Flow Cups (identical national adoption of ISO 2431:1993)

ASTM (ASTM International)

BSR/ISO Guide 64-199x, Guide for Inclusion of Environmental Aspects in Product Standard (identical national adoption of ISO Guide 64)

MHI (ASC MHC) (Material Handling Industry)

BSR MH10.8.10-200x, RFID for Product Packaging (national adoption with modifications of ISO 17366)

MHI (ASC MHC) (Material Handling Industry)

BSR MH10.8.9-200x, Product Identification Using Technologies Other than Optically Readable Media (new standard)

Comment Deadline: July 10, 2012

LEO (Leonardo Academy, Inc.)

New Standard

BSR/LEO SCS-002-201x, Type III Life-Cycle Impact Profile Declarations for Products and Services (new standard)

Addresses Type III Life-Cycle Impact Profile Declarations for Products and Services. It specifies the life-cycle impact assessment (LCIA) methods, scope, metrics and format for declarations. Complies with the requirements of ISO 14044 and ASTM draft standard E06.71.10. Intended to provide a uniform and standardized format for properly reporting the environmental life-cycle impacts of any system studied. The standard explicitly excludes weighting factors and interpretation of LCIA results.

Single copy price: Free (electronic copy); \$45.00 (paper copy)

Obtain an electronic copy from: <http://www.leonardoacademy.org/services/standards/life-cycle.html>

Order from: Michael Army, (608) 280-0255, betsy@leonardoacademy.org

Send comments (with copy to psa@ansi.org) to: <http://www.leonardoacademy.org/services/standards/life-cycle.html>

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.

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue, 15th Floor
New York, NY 10017

Contact: Dana O'Donnell

Phone: (212) 297-2127

Fax: (212) 370-9047

E-mail: dodonnell@kellencompany.com

BSR/BHMA A156.18-201x, Materials and Finishes (revision of ANSI/BHMA A156.18-2006)

BSR/BHMA A156.20-201x, Strap and Tee Hinges, and Hasps (revision of ANSI/BHMA A156.20-2006)

BSR/BHMA A156.26-201x, Continuous Hinges (revision of ANSI/BHMA A156.26-2006)

BSR/BHMA A156.29-201x, Exit Locks, Exit Alarms, Alarms for Exit Devices (revision of ANSI/BHMA A156.29-201x)

CGA (Compressed Gas Association)

Office: 14501 George Carter Way, Suite 103
Chantilly, VA 20151

Contact: Kristy Morrison

Phone: 703-788-2728

E-mail: kmorrison@cganet.com

BSR/CGA G-13-201x, Storage and Handling of Silane and Silane Mixtures (revision of ANSI/CGA G-13-2006)

ISA (ISA)

Office: 67 Alexander Drive □
Research Triangle Park, NC 27709

Contact: Charles Robinson

Phone: (919) 990-9213

Fax: (919) 549-8288

E-mail: crobinson@isa.org

BSR/ISA 95.00.05 (IEC 62264-5 Mod)-201x, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision and redesignation of ANSI/ISA 95.00.05-2007)

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

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

Contact: Barbara Bennett

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: bbennett@itic.org

INCITS/ISO/IEC 19773-201x, Information technology - Metadata Registries (MDR) modules (identical national adoption of ISO/IEC 19773:2011)

INCITS/ISO/IEC 29500-1:2011, information technology - Document description and processing languages - Office Open XML File Formats - Part 1: Fundamentals and Markup Language Reference (identical national adoption of ISO/IEC 29500-1:2011 and revision of INCITS/ISO/IEC 29500-1-2009)

INCITS/ISO/IEC 29500-4:2011, Information technology - Document description and processing languages - Office Open XML File Formats - Part 4: Transitional Migration Features (identical national adoption of ISO/IEC 29500-4:2011 and revision of INCITS/ISO/IEC 29500-4-2009)

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 C136.6-2004 (R201x), Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability (reaffirmation of ANSI C136.6-2004)

BSR C136.9-2004 (R201x), Roadway and Area Lighting Equipment - Socket Support Assemblies for Metal Heads - Mechanical Interchangeability (reaffirmation of ANSI C136.9-2004)

BSR C136.10-201x, Roadway and Area Lighting-Locking-Type Photocontrol Devices and Mating Receptacles - Physical and Electrical Interchangeability (revision of ANSI C136.10-2010)

BSR C136.25-201x, Roadway and Area Lighting Equipment - Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2009)

BSR C136.37-201x, Roadway and Area Lighting Equipment - Solid State Light Sources Used in Roadway and Area Lighting (revision of ANSI C136.37-2011)

BSR C136.43-201x, Roadway and Area Lighting Equipment - Side-mounted Security Luminaires with Internal Ballast or Driver (new standard)

NEMA (ASC W1) (National Electrical Manufacturers Association)

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

Contact: *Gregory Winchester*

Phone: (703) 841-3299

Fax: (703) 841-3399

E-mail: Gre_Winchester@nema.org; Paul.Crampton@nema.org

BSR/IEC 60974-1-201x, Standard for Arc Welding Equipment - Part 1:
Welding Power Sources (revision of ANSI/IEC 60974-1-2008)

NSF (NSF International)

Office: P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48105

Contact: *Lorna Badman*

Phone: (734) 827-6806

Fax: (734) 827-6831

E-mail: badman@nsf.org

BSR/NSF 414-201x, Auditing Practices for the Assessment of the
Manufacture of Over the Counter Drugs against Established GMP
Standards (new standard)

RVIA (Recreational Vehicle Industry Association)

Office: 1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363

Contact: *Kent Perkins*

Phone: (703) 620-6003

Fax: (703) 620-5071

E-mail: kperkins@rvia.org

BSR/RVIA EGS-1-201x, Standard for Engine Generator Sets for RV
Safety Requirements (revision of ANSI/RVIA EGS-1-2008)

BSR/RVIA TSIC-1-201x, Recommended Practice Process Controls for
Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008)

SHRM (Society for Human Resource Management)

Office: 1800 Duke Street
Alexandria, VA 22315

Contact: *Lee Webster*

Phone: (703) 535-6047

Fax: (703) 535-6432

E-mail: HRSTDS@SHRM.ORG

BSR/SHRM 02004-201x, Talent Development Reporting Principles for
Learning and Development (new standard)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Norcross, GA 30092

Contact: *Charles Bohanan*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 547 om-201x, Air permeance of paper and paperboard
(Sheffield method) (new standard)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd
Arlington, VA 22201

Contact: *Ronda Marrow*

Phone: (703) 907-7974

Fax: (703) 907-7727

E-mail: rmarrow@tiaonline.org

BSR/TIA J-STD-025-B-3-201x, Lawfully Authorized Electronic
Surveillance (LAES) - Addendum 3: Support for BSID or Subnet
(addenda to ANSI/TIA J-STD-025-B-2006 (R2012))

UL (Underwriters Laboratories, Inc.)

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

Contact: *Derrick Martin*

Phone: (408) 754-6656

Fax: (408) 754-6656

E-mail: Derrick.L.Martin@ul.com

BSR/UL 203A-201x, Standard for Safety for Sway Brace Devices For
Sprinkler System Piping (new standard)

Final actions on American National Standards

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

ABYC (American Boat and Yacht Council)

New Standard

- * ANSI/ABYC P-4-2012, Marine Inboard Engines and Transmissions (new standard): 6/12/2012

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE/ISO 26322-1-2012, Tractors for agriculture and forestry - Safety - Part 1: Standard tractors (national adoption with modifications of ISO 26322-1:2008): 6/7/2012

ANSI/ASABE/ISO 26322-2-2012, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (national adoption with modifications of ISO 26322-2:2010): 6/7/2012

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

ANSI X9.121-2012, Balance and Transaction Reporting Standard (new standard): 6/7/2012

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B18.7-2007 (R2012), General Purpose Semi-Tubular Rivets, Full Tubular Rivets, Split Rivets, and Rivet Caps (reaffirmation of ANSI/ASME B18.7-2007): 6/7/2012

ASTM (ASTM International)

New Standard

ANSI/ASTM D7793-2012, Specification for Insulated Vinyl Siding (new standard): 6/1/2012

ANSI/ASTM D7796-2012, Test Method for Analysis of Ethyl Tertiary-Butyl Ether by Gas Chromatography (new standard): 5/22/2012

ANSI/ASTM D7797-2012, Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel Using Flow Analysis by Fourier Transform Infrared Spectroscopy - Rapid Screening Method (new standard): 5/22/2012

ANSI/ASTM F2473-2012, Test Method for Performance of Water-Bath Rethernalizers (new standard): 5/22/2012

Reaffirmation

ANSI/ASTM F760-1993 (R2012), Specification for Food Service Equipment Manuals (reaffirmation of ANSI/ASTM F760-1993): 5/22/2012

ANSI/ASTM F956-1991 (R2012), Specification for Bell, Cast, Sound Signalling (reaffirmation of ANSI/ASTM F956-1991 (R2006)): 5/22/2012

ANSI/ASTM F957-1991 (R2012), Specification for Gong, Sound Signalling (reaffirmation of ANSI/ASTM F957-1991 (R2006)): 5/22/2012

ANSI/ASTM F1097-1991 (R2012), Specification for Mortar, Refractory High-Temperature, Air-Setting (reaffirmation of ANSI/ASTM F1097-1991 (R2006)): 5/22/2012

ANSI/ASTM F1245-1989 (R2012), Standard Specification for Faucets, Single and Double, Compression and Self-Closing Type, Shipboard (reaffirmation of ANSI/ASTM F1245-1989 (R2006)): 5/22/2012

ANSI/ASTM F1271-1990 (R2012), Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protections Applications (reaffirmation of ANSI/ASTM F1271-1990 (R2006)): 5/22/2012

ANSI/ASTM F1297-1999 (R2012), Guide for Location and Instruction Symbols for Evacuation and Lifesaving Equipment (reaffirmation of ANSI/ASTM F1297-1999 (R2005)): 5/22/2012

ANSI/ASTM F1298-1990 (R2012), Specification for Flexible, Expansion-Type Ball Joints for Marine Applications (reaffirmation of ANSI/ASTM F1298-1990 (R2006)): 5/22/2012

ANSI/ASTM F1311-1990 (R2012), Specification for Large-Diameter Fabricated Carbon Steel Flanges (reaffirmation of ANSI/ASTM F1311-1990 (R2006)): 5/22/2012

ANSI/ASTM F1330-1991 (R2012), Guide for Metallic Abrasive Blasting to Descale the Interior of Pipe (reaffirmation of ANSI/ASTM F1330-1991 (R2006)): 5/22/2012

ANSI/ASTM F1347-1991 (R2012), Specification for Manually Operated Fueling Hose Reels (reaffirmation of ANSI/ASTM F1347-1991 (R2006)): 5/22/2012

ANSI/ASTM F1387-1999 (R2012), Specification for Performance of Piping and Tubing Mechanically Attached Fittings (reaffirmation of ANSI/ASTM F1387-1999 (R2005)): 5/22/2012

ANSI/ASTM F1546/F1546M-1996 (R2012), Specification for Fire Hose Nozzles (reaffirmation of ANSI/ASTM F1546/F1546M-1996 (R2006)): 5/22/2012

ANSI/ASTM F1548-2001 (R2012), Specification for Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications (reaffirmation of ANSI/ASTM F1548-2001 (R2006)): 5/22/2012

ANSI/ASTM F2016-2000 (R2012), Practice for Establishing Shipbuilding Quality Requirements for Hull Structure, Outfitting, and Coatings (reaffirmation of ANSI/ASTM F2016-2000 (R2006)): 5/22/2012

ANSI/ASTM F2039-2000 (R2012), Guide for Basic Elements of Shipboard Occupational Health and Safety Program (reaffirmation of ANSI/ASTM F2039-2000 (R2006)): 5/22/2012

ANSI/ASTM F2153-2007 (R2012), Test Method for Measurement of Backpack Capacity (reaffirmation of ANSI/ASTM F2153-2007): 5/22/2012

ANSI/ASTM F2520-2005 (R2012), Specification for Reach-In Refrigerators, Freezers, Combination Refrigerator/Freezers, and Thaw Cabinets (reaffirmation of ANSI/ASTM F2520-2005): 5/22/2012

ANSI/ASTM F2568-2006 (R2012), Test Method for Measurement of Sleeping Bags (reaffirmation of ANSI/ASTM F2568-2006): 5/22/2012

Revision

ANSI/ASTM D1655-2012, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2011b): 5/22/2012

ANSI/ASTM D4024-2012, Specification for Machine Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Flanges (revision of ANSI/ASTM D4024-2000): 5/22/2012

ANSI/ASTM D4306-2012, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination (revision of ANSI/ASTM D4306-2012): 5/22/2012

ANSI/ASTM D6227-2012, Specification for Grades UI82 and UI87 Unleaded Aviation Gasoline (revision of ANSI/ASTM D6227-2010): 5/22/2012

ANSI/ASTM D7372-2012, Guide for Analysis and Interpretation of Proficiency Test Program Results (revision of ANSI/ASTM D7372-2007): 5/22/2012

ANSI/ASTM E23-2012, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2007a): 6/1/2012

ANSI/ASTM F857-2012, Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Stationary Rack Type (revision of ANSI/ASTM F857-2007): 5/22/2012

ANSI/ASTM F998-2012, Specification for Centrifugal Pump, Shipboard Use (revision of ANSI/ASTM F998-2010): 5/22/2012

ANSI/ASTM F1162-2012, Specification for Pole Vault Landing Systems (revision of ANSI/ASTM F1162-2002): 5/22/2012

ANSI/ASTM F2283-2012, Specification for Shipboard Oil Pollution Abatement System (revision of ANSI/ASTM F2283-2004 (R2009)): 5/22/2012

ANSI/ASTM F2441-2012, Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks (revision of ANSI/ASTM F2441-2005): 5/22/2012

ANSI/ASTM F2856-2012, Practice for Transfilling and Safe Handling of Small Co2 Cylinders for Use in Paintball (revision of ANSI/ASTM F2856-2011): 5/22/2012

AWWA (American Water Works Association)

New Standard

ANSI/AWWA F110-2012, Ultraviolet Disinfection Systems for Drinking Water (new standard): 6/7/2012

CPA (Composite Panel Association)

Revision

* ANSI A135.4-2012, Basic Hardboard (revision of ANSI A135.4-2004): 6/8/2012

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

Withdrawal

INCITS/ISO/IEC 9995-1-1994, Information technology - Keyboard layouts for text and office systems - Part 1: General principles governing keyboard layouts (withdrawal of INCITS/ISO/IEC 9995-1-1994): 6/12/2012

INCITS/ISO/IEC 9995-2-1994, Information technology - Keyboard layouts for text and office systems - Part 2: Alphanumeric section (withdrawal of INCITS/ISO/IEC 9995-2-1994): 6/12/2012

INCITS/ISO/IEC 9995-3-1994, Information technology - Keyboard layouts for text and office systems - Part 3: Complementary layouts of the alphanumeric zone of the alphanumeric section (withdrawal of INCITS/ISO/IEC 9995-3-1994): 6/12/2012

INCITS/ISO/IEC 9995-4-1994, Information technology - Keyboard layouts for text and office systems - Part 4: Numeric section (withdrawal of INCITS/ISO/IEC 9995-4-1994): 6/12/2012

OPEI (Outdoor Power Equipment Institute)

Revision

* ANSI/OPEI B71.4-2012, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI B71.4-2004): 6/8/2012

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 1739-2012, Standard for Safety for Pilot-Operated Pressure-Control Valves (revision of ANSI/UL 1739-2007): 6/7/2012

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.

ADA (American Dental Association)

Office: 211 E. Chicago Ave
Chicago, IL 60611

Contact: Kathy Medic

Fax: (312) 440-2529

E-mail: medick@ada.org

BSR Addendum to ADA Standard No. 139-201x, Dental Base Polymers (addenda to ANSI/ADA Specification No. 139-2012)

Stakeholders: Manufacturers, consumers, dental researchers.

Project Need: The vast majority of the content in ANSI/ADA Standard No. 17-1983 (R2006) Denture Base Temporary Relining Resins is included in ANSI/ADA Standard No. 139 for Dental Base Polymers with the exception of a thermostability test specific to auto-polymerizing (self-initiating cure) type resins. This proposed addendum will provide the specifics of this test and tie it in directly to the new standard (139).

Inclusion of a thermostability test specific to auto-polymerizing (self-initiating cure) type resins.

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BSR/AGMA 1107-AXX-201x, Tolerance Specification for Milling Cutters (new standard)

Stakeholders: Manufacturers and users of milling cutters.

Project Need: Develop accuracy guidelines for milling cutters.

This standard provides specifications for nomenclature, dimensions, tolerances, and inspection of form milling cutters. Included in these would be:

- involute type;
- straight sided for rack or worm thread generation;
- form relieved;
- inserted carbide indexable; and
- special form.

It establishes a basis for understanding the use and manufacture of these form milling cutters.

BSR/AGMA 9005-FXX-201x, Industrial Gear Lubrication (revision and redesignation of ANSI/AGMA 9005-E-2002 (R2008))

Stakeholders: Users, manufacturers, and providers of industrial gear lubricants.

Project Need: Update standard to reflect current state-of-the art.

This standard provides the end user, original equipment builder, gear manufacturer, and lubricant supplier with guidelines for minimum performance characteristics for lubricants suitable for use in general power transmission applications. These guidelines cover both open and enclosed gearing that have been designed and rated in accordance with applicable AGMA standards. The types of gearing included in this standard are metallic spur, helical including herringbone, straight and spiral bevel, and worm. These guidelines may or may not be applicable to non-metallic gears.

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BSR/ASABE/ISO 3767-1:1998 w/AMD 1 & 2-201x, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 1: Common symbols (identical national adoption of ISO 3767-1:1998 with AMD 1:2008 & AMD 2:2012 and revision of ANSI/ASABE/ISO 3767-1-1998 (R2011))

Stakeholders: Agricultural equipment manufacturers; Equipment users.

Project Need: Periodic review of ASABE/ISO 3767-1:1998 identified need to update standard to include Amendment 1 which was approved in 2008 and Amendment 2 which was approved in 2012 (Tier 4 Engine Emission Symbols).

Establishes the common symbols for use on operator controls and other displays on tractors and machinery for agriculture and forestry, and powered lawn and garden equipment as defined in ISO 3339-0 and ISO 5395. The symbols given apply to controls and displays common to tractors and machinery for agriculture and forestry, and powered lawn and garden equipment, as well as to other types of self-propelled work machines designed to operate off public roads, such as earthmoving machines, powered industrial trucks, and mobile cranes.

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- * BSR/ASME PTC 19.3-201x, Temperature Measurement (revision of ANSI/ASME PTC 19.3-1974 (R2004))

Stakeholders: Industrial, designers, testing agencies, equipment manufacturers, manufacturers of temperature-measuring devices.

Project Need: To provide new temperature-measurement technologies, that are currently being used since the publication of this Supplement nearly 40 years ago. Remove the obsolete section on thermowells due to the publication of the new design standard on thermowells (PTC 19.3 TW-2010).

This supplement presents information that would guide the user in the selection, installation and use of temperature-measuring devices such as thermocouples, RTD, optical pyrometers, liquid-in-glass thermometers, and others.

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- BSR/ASTM WK37812-201x, New Practice for Calibration (new standard)

Stakeholders: Quality and Statistics Industry.

Project Need: Direct calibration and indirect calibration via a linear model. Provide guidance on the process of calibration to improve how calibration and checking calibration is performed.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK37812.htm>

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- BSR/BICSI 005-201x, Electronic Safety and Security (ESS) System Design and Implementation Best Practices (new standard)

Stakeholders: Telecommunications designers, IT professionals, security industry professionals.

Project Need: This standard will define information technology systems (ITS) design and installation requirements and recommendations related to electronic safety and security (ESS) systems.

This standard is written for use in the design and implementation of the structured cabling systems used within electronic safety and security systems. This standard provides a reference of common technology and design practices and is not intended to be used by architects and engineers as their sole reference or as a step-by-step design guide. This standard may also be used to determine design requirements in conjunction with the system owner, occupant, or safety and security consultant.

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- BSR C63.27-201x, Evaluation of Wireless Coexistence (new standard)

Stakeholders: EMC test laboratories, wireless designers, spectrum managers, regulators.

Project Need: There is a need to evaluate the ability of a wireless device to coexist with other transceivers without unacceptable interaction. This standard provides an evaluation process and supporting test methods to quantify the ability of a wireless device to coexist with other wireless services in its intended radio frequency (RF) environments.

This standard provides an evaluation procedure and supporting test methods for wireless coexistence and evaluation of key performance indicators (KPI). The standard will provide evaluation procedures, test methods and other guidance necessary for performing the evaluation.

- BSR/IEEE C63.17-201x, Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices (revision of ANSI/IEEE C63.17-2006)

Stakeholders: EMC test laboratories, wireless designers, spectrum managers, regulators.

Project Need: Revise ANSI C63.17 in response to recent changes in the FCC service rules for the UPCS band.

Provides test methods to show compliance with the FCC service rules for the UPCS band. Recent changes in the FCC service rules for the UPCS band have made some portions of the current version of ANSI/IEEE C63.17 obsolete. This project will update the standard to reflect these changes in the FCC rules and update appropriate portions of the standard, such as the references.

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- BSR/IEEE 802.3bk-201x, Information technology -

Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer Specifications and Management Parameters for Extended Ethernet Passive Optical Networks (addenda to ANSI/IEEE 802.3-2009)

Stakeholders: Ttelecom system and component vendors, telecommunications carriers, and multiple system operators (MSOs).

Project Need: The project is needed to enable broadband service providers to utilize Ethernet Passive Optical Networks (EPON) at longer reach, higher split ratios or both for more cost-effective scaling.

The scope of this project is to amend IEEE Std 802.3 to add at least one physical layer specification, possibly optical power budget extenders, and management parameters necessary for Ethernet Passive Optical Networks (EPON) to support optical loss budgets in excess of those specified in IEEE Std 802.3-2008 and IEEE Std 802.3av-2009.

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BSR/IEEE 352-201x, Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities (revision of ANSI/IEEE 352-1994 (R2010))
Stakeholders: Nuclear power plant and other nuclear facility owners, architect-engineers/consultants, manufacturers, and regulators.
Project Need: Enhanced technologies become necessary to enable communications among devices to support those applications. None of the use cases are supported by the IEEE Std. 802.22-2011 and hence, a new project is required.

This guide contains general reliability and availability analysis methods that can be applied to structures, systems, and components (SSCs) in nuclear power generating stations and other nuclear facilities.

BSR/IEEE 388-201x, Standard for Transformers and Inductors in Electronic Power Conversion Equipment (revision of ANSI/IEEE 388-1992 (R2007))

Stakeholders: Magnetics designers and manufacturers, power conversion equipment designers and manufacturers, test equipment designers and manufacturers, component and material manufacturers, power systems designers.

Project Need: The information contained in this standard is still relevant. The purpose of the revision is to bring definitions, references, and procedural practices up to date as well to clarify wording.

This standard pertains to transformers and inductors of both the saturating and nonsaturating type that are used in electronic power conversion equipment. Power conversion equipment includes items known as inverters, converters, power conditioners, switching power supplies, switched mode power supplies, and the like. These items are mostly devices used to change dc power from one voltage to another, to change dc power to ac, and to change ac power of one frequency to another frequency.

BSR/IEEE 389-201x, Recommended Practice for Testing Transformers and Inductors for Electronics Applications (new standard)

Stakeholders: Bioeffects researchers, instrument developers and manufacturers, those developing calibration systems and standards, and individuals involved in critical hazard assessments or surveys of various emitters, power utilities, the telecommunications industry, manufacturers with induction and dielectric heating applications, the military and any other organizations that operate sources of electric, magnetic and electromagnetic fields.

Project Need: Connection of surge arresters to protect insulated, shielded electric power cable systems. Power cable system includes riser pole, mid-point, and open-point underground installations. Provide users with techniques to improve cable system margin of protection.

This recommended practice presents a number of tests for use in determining the significant parameters and performance characteristics of electronics transformers and inductors. These tests are designed primarily for transformers and inductors used in all types of electronics applications. Even though these tests may be useful to the other types of transformers used in power distribution applications in utilities, industry, and others, the tests discussed in this document may supplement or complement the tests but are not intended to replace the tests in standards for transformers, such as those in the C57 series of standards.

BSR/IEEE 802.15.4n-201x, Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment: Physical Layer Utilizing Dedicated Medical Bands in China (new standard)

Stakeholders: Medical equipment manufacturers, patients and healthcare providers both within hospitals and in residential environments. Stakeholders also include remote support facilities service providers.

Project Need: This Project will define an alternate PHY and the necessary modifications to the MAC that are needed to support the PHY operation according to the Ministry of Industry and Information Technology of the People's Republic of China rules doc. # MIIT XBW 2005-423 in the Chinese medical bands.

This amendment defines a physical layer for IEEE Std. 802.15.4 utilizing the approved 174-216 MHz, 407-425 MHz and 608-630 MHz medical bands in China. This amendment defines modifications to the Medium Access Control (MAC) layer needed to support this new physical layer.

BSR/IEEE 802.15.4p-201x, Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment: Positive Train Control (PTC) System Physical Layer (new standard)

Stakeholders: Communication device manufacturers and users; passenger rail entities; freight rail entities; state, regional municipal and private rail transit entities; device, component and system suppliers; US regulatory and government agencies; spectrum licensees and spectrum management entities.

Project Need: PTC is becoming a vital part of global rail transportation systems. In the US, the PTC performance requirement is specified in Section 20157.(i).(3) of US Public Law 110-432, also known as the US Rail Safety Improvement Act of 2008 (<http://www.gpo.gov/fdsys/pkg/PLAW-110publ432/pdf/PLAW-110publ432.pdf>). It is anticipated that requirements similar to those in the US public law may be adopted in other geographic regions in the future.

This amendment specifies a physical layer (PHY) for IEEE STD 802.15.4, and any media access control (MAC) changes needed to support this PHY, for use in equipment intended to address industry needs and to meet United States (US) Positive Train Control regulatory requirements and similar regulatory requirements in other parts of the world.

BSR/IEEE 802.15.8-201x, Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Peer Aware Communications (PAC) (new standard)

Stakeholders: Content providers, internet service providers, telecom industry, mobile device manufacturers, and consumer electronics industry.

Project Need: There is a need for a standard optimized for burgeoning social networking and peer-to-peer applications for mobile devices with the awareness of their relative positioning. While the current communication infrastructure can support the noted applications to some degree, PAC's goal is to allow the network to support hundreds of devices by reducing signaling overhead.

This standard defines PHY and MAC mechanism for Wireless Personal Area Networks (WPAN) Peer Aware Communications (PAC) optimized for peer-to-peer and infrastructureless communications with fully distributed coordination.

BSR/IEEE 802.21d-201x, Local and metropolitan area networks - Part 21: Media Independent Handover Services - Amendment: Multicast Group Management (addenda to ANSI/IEEE 802.21-2009)

Stakeholders: Semiconductor manufacturers, network equipment manufacturers, mobile and wireless device manufacturers and network operators.

Project Need: There are several handover scenarios where a large group of terminals need to perform a handover as a group. This amendment is necessary in order to support such scenarios since the current standard only supports unicast commands that are inefficient when a group of users needs to be supported simultaneously.

To add support in Media-Independent Handover (MIH) framework for management of multicast groups.

BSR/IEEE 1082-201x, Guide for Incorporating Human Reliability Analysis into Probabilistic Risk Assessments for Nuclear Power Generating Stations and Other Nuclear Facilities (revision of ANSI/IEEE 1082-1997 (R2010))

Stakeholders: Regulatory agencies, Nuclear Power Generating Stations, and other nuclear facilities, A/Es, vendors and consultants.

Project Need: There is a need to update and clarify the existing standard. In addition, IEC has indicated a desire to adopt this standard when these updates and clarifications are done. IEC has no equivalent standard.

This guide provides a structured framework for the incorporation of human reliability analysis into Probabilistic Risk Assessments (PRAs).

BSR/IEEE 1189-201x, Guide for Selection of Batteries for Stationary Applications (revision of ANSI/IEEE 1189-2008)

Stakeholders: Power Generation, telecom, data center, UPS and Stationary Battery users, transmission & distribution,

Project Need: This guide is intended to inform the user of the various battery technologies available and design points to be considered when selecting a battery for Stationary Battery applications. Some of the battery design options that result in volumetric efficiency may also result in reduced life. This guide is intended to assist the user in maneuvering the myriad of different battery technology to become aware of which technology, designs and operating procedures can result in optimum battery life.

This guide discusses various battery systems so that the user can make informed decisions on selection of batteries used in stationary applications. For each category, the technology and the design of the battery are described in order to facilitate user selection. The specific advantages for particular applications are also listed.

BSR/IEEE 1609.6-201x, Standard for Wireless Access in Vehicular Environments (WAVE) - Remote Management Service (new standard)

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

Project Need: This standard is consistent with the need to manage WAVE devices that once deployed do not provide readily accessible physical methods for modification of management and configuration.

The scope of this standard is to define services, operating in the station management entities and at the network layers, which support interoperable remote management of WAVE devices and interoperable protected identity in WAVE short message protocol (WSMP) data communications.

BSR/IEEE 1610-201x, Guide for the Application of Faulted Circuit Indicators on Distribution Circuits (revision of ANSI/IEEE 1610-2007)

Stakeholders: Electrical industry consultants, electrical utility users, and manufacturers.

Project Need: The document will provide guidance on selection and application of Faulted Circuit Indicators for distribution circuits to design standard engineers.

This Application Guide provides information on what a Faulted Circuit Indicator (FCI) is designed to do and describes methods for selecting FCIs for use on 200/600 A distribution circuits.

BSR/IEEE 1856-201x, Standard Framework for Prognostics and Health Management of Electronic Systems (new standard)

Stakeholders: Companies manufacturing Commercial, Industrial and Military electronic systems, Telecommunications, Medical Electronics, Transportation, Information technology, Defense Industries.

Project Need: Researchers have developed a variety of approaches, methods, and tools that are useful for these purposes, but applications to real-world situations may be hindered by the lack of real visibility into these tools, uniformity in application of these tools, as well as consistency in their demonstrated results. There is a need for documented and guidance that will encourage practitioners to invest the resources necessary to put these techniques into practice.

This standard covers all aspects of prognostics and health management of electronic systems, including definitions, approaches, algorithms, sensors and sensor selection, data collection, storage and analysis, anomaly detection, diagnosis, metrics, life cycle cost of implementation, return on investment and documentation. This standard describes a normative framework for classifying PHM capability and for planning the development of PHM for a system or product. The use of this standard is not required throughout the industry. This standard provides information to aid practitioners in the selection of PHM strategies and approaches to meet their needs.

BSR/IEEE 1857-201x, Standard for Advanced Audio and Video Coding (new standard)

Stakeholders: Stakeholders being benefited includes but not limited to: Audio and video products (hardware or software) manufacturers or vendors; Video and audio service providers, including broadcasting operators, Internet video service providers; Aural and visual content providers.

Project Need: There are some alternative specifications with similar purpose but they do not satisfy the need for balance between efficiency and complexity required for providing high quality aural and visual service in limited bandwidth settings. The committee views standardization as essential for lowering the cost of solutions intended for low-bandwidth consumer devices.

Multimedia data has become the majority of data flooding the Internet. It would be a big benefit to global society if we could transmit and store the multimedia data in a highly efficient way under constraints that include limited complexity and bandwidth. In particular, it would be beneficial to do so according to an open standard. This project will provide a multi-part standard which can support the requirements of internet multimedia data coding and packaging, including video coding, audio coding, image coding, graphics coding, and encapsulating the coded data in internet packets for transportation and storage.

BSR/IEEE 1858-201x, Standard for Camera Phone Image Quality (CPIQ) (new standard)

Stakeholders: PC, Tablet, Smartphone manufacturers, Application developers, telecom service providers, sensor manufacturers.

Project Need: Camera phones currently on the market with identical image (megapixel) resolution capabilities produce vastly different quality images. Due to sensor and lens size limitations, increasing the number of megapixels in a camera phone often leads to reduced image quality. Camera phone vendors do not have sufficient standardized metrics to compare one product to the next. They simply know whether or not a mobile phone contains an image capture device.

This standard addresses the fundamental attributes that contribute to image quality, as well as identifying existing metrics and other useful information relating to these attributes. It defines a standardized suite of objective and subjective test methods for measuring camera phone image quality attributes, and it specifies tools and test methods to facilitate standards-based communication and comparison among carriers, handset manufacturers, and component vendors regarding camera phone image quality.

BSR/IEEE 3006.5-201x, Recommended Practice for the Use of Probability Methods for Conducting a Reliability Analysis of Industrial and Commercial Power Systems (new standard)

Stakeholders: Those responsible for analyzing reliability data for equipment used in industrial and commercial power systems.

Project Need: This practice provides probability methods for conducting a reliability analysis of industrial and commercial power systems. It integrates material from the thirteen books of IEEE's Color Book Series into a single document describing this technical topic.

This recommended practice describes how to use probability methods for conducting a reliability analysis of industrial and commercial power systems. It can also be an aid to all engineers responsible for the electrical design of industrial and commercial power systems.

BSR/IEEE 3333.2-201x, Standard for Three-Dimensional Model Creation Using Unprocessed 3D Medical Data (new standard)

Stakeholders: Medical Imaging Equipment Manufacturers; 3D device manufacturers including 3D monitor and 3D display panel; Medical 3D signal processing engine developers; S/W engineers for 3D volume rendering; Medical doctors using 3D model for diagnosis, etc.

Project Need: Image-related solutions are high value-added applications in the medical technology industry, comprising nearly 10 percent of the total medical related devices market. Although 3D medical imaging has high-technology barriers unlike other industries, it is also typical of an advanced exclusive-territory industry. By establishing a 3-D portability standard now, we can contribute to their faster development of much-needed technology.

This standard establishes the minimum requirements for enabling portability and consistent display of 3D medical images across dedicated 3D display equipment, computers, mobile smart pads and smart phones. This includes standardization of volume image rendering (texture), collaboration of fragmented images and 3D models, data storage, data compression, data transport, motion simulation, 3D platforms, and 3D model management systems.

BSR/IEEE C37.42-201x, Specifications for High-Voltage (>1000 V) Distribution and Power Class Fuses, Distribution Enclosed Single-Pole Air Switches and Accessories Used with These Devices (revision of ANSI/IEEE C37.42-2009)

Stakeholders: Power users and producers and associated manufacturers.

Project Need: This project will bring together the existing Fuse Specifications Standards IEEE Std C37.42, IEEE Std C37.43, IEEE Std C37.45, IEEE Std C37.46 and IEEE Std C37.47 into one combined standard. This is required to improve the alignment with the test requirement standard (C37.41) for the devices covered by these standards as users have found navigating through this multitude of standards very difficult.

This standard establishes specifications for high-voltage (above 1000 V) fuses, distribution enclosed single-pole air switches, disconnecting cutouts, fuse disconnecting switches, and accessories for use on ac distribution systems. Devices with rated maximum voltages to 170 kV are covered.

BSR/IEEE C37.48.1-201x, Guide for the Application, Operation, and Coordination of High-Voltage (>1000 V) Current-Limiting Fuses (revision of ANSI/IEEE C37.48.1-2002 (R2008))

Stakeholders: Manufacturers and users of fuses. Users include industrial and utility companies.

Project Need: Updating of existing guide and clarification of several figures.

This guide provides information on the application, operation, and coordination of high-voltage (>1000 V) fuses and associated equipment.

BSR/IEEE C37.119-201x, Breaker Failure Protection of Power Circuit Breakers Working Group (PE/PSR/C37.119_WG-K5) (revision of ANSI/IEEE C37.119-2005 (R2010))

Stakeholders: Power system protection engineers and equipment manufacturers.

Project Need: Revision of this standard is needed to correct errors and to make the information current with existing and new technologies.

This guide describes methods to protect a power system from faults that are not cleared because of failure of a power circuit breaker to operate or interrupt when called upon. The discussion is limited to those instances where the breaker does not clear the fault after a protective relay has issued a command to open (trip) the circuit. Failure to close and failure while closed are not discussed.

BSR/IEEE C57.93-201x, Guide for Installation and Maintenance of Liquid-Immersed Power Transformers (revision of ANSI/IEEE C57.93-2007)

Stakeholders: Transformer manufacturers, shipping companies, and end users (utilities).

Project Need: Sections related to shipping and receiving of transformers are to be taken out of the document as these are now covered by the new C57.150 Transportation Guide. The existing document is to be revised to incorporate the most up-to-date practices.

The recommendations presented in this guide apply to inspection, installation, and maintenance of liquid-immersed power transformers rated 501 kVA and above with secondary voltages of 1000 V and above. This guide covers the entire range of power transformers, including extra high-voltage (EHV) transformers. This guide does not cover special transformers such as furnace transformers, rectifier transformers, etc.

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BSR/ISO/FDIS 14644-9-201x, Cleanrooms and associated controlled environments - Part 9: Classification of surface cleanliness by particle concentration (identical national adoption of ISO 14644-9)

Stakeholders: Aerospace, microelectronics, optics, nuclear, and life sciences (pharmaceuticals, medical devices, food, healthcare).

Project Need: This part of ISO 14644 provides a classification for the determination and designation of surface cleanliness levels based on particle concentrations. This part of ISO 14644 also lists some methods of testing, as well as procedure(s) for determining the concentration of particles on surfaces.

This part of ISO 14644 establishes the classification of cleanliness levels on solid surfaces by particle concentration in cleanrooms and associated controlled environment applications. Recommendations on testing and measuring methods, as well as information about surface characteristics, are given in Annexes A to D. This part of ISO 14644 applies to all solid surfaces in cleanrooms and associated controlled environments, such as walls, ceilings, floors, working environments, tools, equipment and products. The classification of surface cleanliness by particle concentration (SCP) is limited to particles between 0,05 µm and 500 µm.

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BSR C136.10-201x, Roadway and Area Lighting-Locking-type Photocontrol Devices and Mating Receptacles - Physical and Electrical Interchangeability (revision of ANSI C136.10-2010)

Stakeholders: Manufacturers, users, and specifiers for roadway and area lighting.

Project Need: This standard is being revised to include test methods for solid-state lighting and to ensure that the current requirements are in line with current industry practices.

This standard covers the following roadway and area lighting equipment, which may be physically and electrically interchanged to operate within established values:

- locking-type photocontrol;
- locking-type mating receptacle; and
- shorting and non-shorting caps.

BSR C136.25-201x, Roadway and Area Lighting Equipment - Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2009)

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

Project Need: This standard is being updated to reflect current industry practices for marking and test requirements.

This standard details the requirements for ingress protection of luminaires in roadway and area lighting equipment, installed for their intended use and specified by end user. While these requirements are suitable for most types of lighting equipment, it should not be assumed that all the listed degrees of protection are applicable to a particular type of equipment. The manufacturer of the equipment should be consulted to determine the degrees of protection available.

BSR C136.37-201x, Roadway and Area Lighting Equipment - Solid State Light Sources Used in Roadway and Area Lighting (revision of ANSI C136.37-2011)

Stakeholders: Manufacturers, users, and specifiers for roadway and area lighting.

Project Need: Update the standard for current industry practices and update referenced standards accordingly.

This standard defines interchangeability of and some requirements for solid state light (SSL) source fixtures (also referred to as luminaires and/or LED (light-emitting diode) fixtures). These are used in roadway and off-roadway luminaires that meet various ANSI C136 standards. This Standard does not address replacement or interchangeability of lamps/light sources.

BSR C136.43-201x, Roadway and Area Lighting Equipment - Side-mounted Security Luminaires with Internal Ballast or Driver (new standard)

Stakeholders: Manufacturers, users, and specifiers for roadway and area lighting.

Project Need: This standard will provide requirements for interchangeability for similar-sized side-mounted luminaires with an internal ballast or driver. A similar standard does not currently exist.

This standard covers dimensional, maintenance and light distribution features that permit the interchange of open or closed side mounted security luminaires used in roadway and area lighting equipment. Luminaires of similar size, shape, and weight meeting the requirements of this standard may be used interchangeably within the system. Luminaires covered by this standard are known by many names and are available in wattages up to 250 and utilize an acrylic or polycarbonate refractor for non-cutoff applications or a solid reflector for cutoff applications. Excluded from this standard are luminaires having an external ballast.

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BSR/IEC 60974-1-201x, Standard for Arc Welding Equipment - Part 1: Welding Power Sources (revision of ANSI/IEC 60974-1-2008)

Stakeholders: Standard for welding/cutting power supplies, based on the current international standard, applicable to the US market.

Project Need: Adopt the latest (4th edition) of the IEC 60974-1 standard with appropriate modifications for the US.

Adoption of IEC 60974-1, Edition 4, with US differences.

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BSR/NSF 414-201x, Auditing Practices for the Assessment of the Manufacture of Over the Counter Drugs against Established GMP Standards (new standard)

Stakeholders: OTC manufacturers, distributors, packagers, labelers, and holders; OTC retailers; industry associations; pharmaceutical regulators; consumer organizations; OTC and pharmacy organizations; pharmaceutical manufacturers and researchers.

Project Need: A standardized audit approach and assessment of GMP compliance will provide retailers with a consistent way for qualifying vendors and tracking compliance issues. OTC manufacturers will benefit through a reduction of audits by retailers and independent consultants, and provide added assurance for compliance in case of an FDA inspection.

This Standard is intended to define an auditing approach for over-the-counter (OTC) drug manufacturers in accordance with 21 CFR 210 and 211 Good Manufacturing Practices (GMPs) for pharmaceutical products. It will refer to the GMPs applicable to all OTC drugs. Elements will include an audit checklist, criteria for grading, and requirements for auditor training and assessment. It includes the critical elements of a quality management system for drug manufacture. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality and purity to ensure suitability for intended use.

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BSR/RVIA EGS-1-201x, Standard for Engine Generator Sets for RV Safety Requirements (revision of ANSI/RVIA EGS-1-2008)

Stakeholders: Recreational vehicle manufacturers, RV component manufacturers, and operators of RVs.

Project Need: To provide opportunity to revise and upgrade minimum safety requirements for the listing of engine generators intended for installation and operation in recreational vehicles.

This standard sets forth safety requirements and standards for engine generators intended for installation and operation in recreational vehicles and similar mobile applications. It is not intended to apply to emergency, standby generators, generators with integral fuel tanks, welding generators, farm lighting plants, variable speed generators for railroad car installations, military specification engine generators, marine use, or similar specialized equipment. Included in this standard are recommended safety measures for installations, use, and care.

BSR/RVIA TSIC-1-201x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008)

Stakeholders: Axle, wheel hardware and trailer (RV, marine, cargo & other similar types) manufacturers.

Project Need: To provide opportunity to revise and upgrade minimum safety requirements for the proper assembly of wheels on trailers in order to provide for consumer safety.

The purpose of this Recommended Practice is to identify and define significant factors required for assembly process control.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Rd.
Exton, PA 19341

Contact: *Travis Murdock*

Fax: (610) 363-5898

E-mail: tmurdock@scte.org

BSR/SCTE HMS 177-201x, Visual Compression Artifact Descriptions (new standard)

Stakeholders: Cable Telecommunications Industry.

Project Need: Create new standard.

The purpose of this document is to define a set of video defects and a standard scoring method to generate a Mean Opinion Score that grades the quality of a video presentation.

SHRM (Society for Human Resource Management)

Office: 1800 Duke Street
Alexandria, VA 22315

Contact: *Lee Webster*

Fax: (703) 535-6432

E-mail: HRSTDS@SHRM.ORG

BSR/SHRM 02004-201x, Talent Development Reporting Principles for Learning and Development (new standard)

Stakeholders: L&D professionals in particular and HR professionals in general across all industries.

Project Need: Learning and development in particular, and talent development in general, would benefit tremendously from a standard approach to categorizing and defining measures, and creating statements and reports employing these measures.

Currently, there is no industry standard for defining measures or creating statements and reports. While some measures have been defined by various organizations, there is no standard and nothing comparable to the generally Accepted Accounting Principles (GAAP) for the learning.

The proposed standard will:

- (1) identify the underlying principles to be followed in defining measures and creating statements and reports for learning and development (L&D);
- (2) define the key types of measures for L&D (e.g., effectiveness, efficiency, and outcomes);
- (3) create definitions for the key L&D measures;
- (4) create standard statements for L&D employing the measures; and
- (5) recommend L&D reports to be used by decision makers employing key measures from the statements.

Not intended for ISO submission at this time.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Contact: Valara Davis

Fax: (919) 549-0921

E-mail: Valara.Davis@ul.com

BSR/UL 1778-201x, Standard for Uninterruptible Power Systems
(revision of ANSI/UL 1778-2005)

Stakeholders: Manufacturers and users of uninterruptible power systems.

Project Need: To obtain national recognition of a standard covering the construction and operations of uninterruptible power systems (UPS).

These requirements apply to uninterruptible power systems (UPS). The primary function of the UPS for this Standard is to ensure continuity of an alternating power source. The uninterruptible power system may also serve to improve the quality of the power source by keeping it within specified characteristics. This Standard is applicable to movable, stationary, fixed, and built-in UPS for distribution systems up to 600 V a.c.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide 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)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- 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)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- 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)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select Internet Resources, click on "Standards Information," and see "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>ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Fax: (410) 990-4466 Web: www.abycinc.org</p>	<p>ASME American Society of Mechanical Engineers 3 Park Avenue, 20th Floor (20N2) New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>BICSI Building Industry Consulting Service International 8610 Hidden River Parkway Tampa, FL 33637 Phone: (813) 903-4712 Fax: (813) 971-4311 Web: www.bicsi.org</p>	<p>INMM (ASC N14) Institute of Nuclear Materials Management 75 N 200 E Richmond, UT 84333 Phone: (435) 258-3730 Web: www.inmm.org</p>
<p>ADA (Organization) American Dental Association 211 E. Chicago Ave Chicago, IL 60611 Phone: (312) 440-2533 Fax: (312) 440-2529 Web: www.ada.org</p>	<p>ASSE (Organization) American Society of Sanitary Engineering 901 Canterbury Road, Suite A Westlake, OH 44145-1480 Phone: (440) 835-3040 Fax: (440) 835-3488 Web: www.asse-plumbing.org</p>	<p>CGA Compressed Gas Association 14501 George Carter Way, Suite 103 Chantilly, VA 20151 Phone: 703-788-2728 Web: www.cganet.com/</p>	<p>ISA (Organization) ISA-The Instrumentation, Systems, and Automation Society 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Fax: (919) 549-8288 Web: www.isa.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314 Phone: (703) 684-0211 Fax: (703) 684-0242 Web: www.agma.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>CPA Composite Panel Association 19465 Deerfield Ave, Suite 306 Leesburg, VA 20176 Phone: (703) 724-1128 Fax: (703) 724-1588</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW, Suite 610 Washington, DC 20005 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: www.incits.org</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526-5592 Phone: (708) 579-8269 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: www.atis.org</p>	<p>CSA CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>LEO Leonardo Academy, Inc. PO Box 5425 Madison, WI 53705 Phone: (608) 280-0255 Fax: (608) 255-7202 Web: www.leonardoacademy.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>AWS American Welding Society 550 N.W. LeJeune Road Miami, FL 33126 Phone: (305) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>IEEE Institute for Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-6003 Fax: (732) 562-1571 Web: www.ieee.org</p>	<p>MHI Material Handling Industry 8720 Red Oak Blvd., Suite 201 Charlotte, NC 28217-3992 Phone: (704) 676-1190 Fax: (704) 676-1199 Web: www.mhia.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) 795-6303 Web: www.awwa.org</p>	<p>IEEE (ASC C63) Institute of Electrical and Electronics Engineers 445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331 Phone: (732) 275-7362 Fax: (732) 562-1571 Web: www.ieee.org</p>	<p>NEMA (ASC C34) National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3299 Fax: (703) 841-3399 Web: www.nema.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>BHMA Builders Hardware Manufacturers Association 355 Lexington Avenue, 15th Floor New York, NY 10017 Phone: (212) 297-2127 Fax: (212) 370-9047 Web: www.buildershardware.com/</p>	<p>IEST Institute of Environmental Sciences and Technology 2430 S. Arlington Heights Road, Suite 100 Arlington Heights, IL 60005 Phone: 847-981-0100 Fax: 847-981-4130 Web: www.iest.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>

NETA

InterNational Electrical Testing
Association

3050 Old Centre, Suite 102
Portage, MI 49024
Phone: (269) 488-6382
Fax: (269) 488-3683
Web: www.netaworld.org

NISO

National Information Standards
Organization

One North Charles Street, Suite 1905
Baltimore, MD 21201
Phone: (301) 654-2512
Fax: (410) 685-5278
Web: www.niso.org

NSF

NSF International

P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6806
Fax: (734) 827-6831
Web: www.nsf.org

OPEI

Outdoor Power Equipment Institute

341 South Patrick Street
Alexandria, VA 22314
Phone: (703) 549-7600, ext. 24
Fax: (703) 549-7604
Web: opei.mow.org

RVIA

Recreational Vehicle Industry
Association

1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363
Phone: (703) 620-6003
Fax: (703) 620-5071
Web: www.rvia.org

SCTE

Society of Cable Telecommunications
Engineers

140 Philips Rd.
Exton, PA 19341
Phone: (610) 594-7308
Fax: (610) 363-5898
Web: www.scte.org

SHRM

Society for Human Resource
Management

1800 Duke Street
Alexandria, VA 22315
Phone: (703) 535-6047
Fax: (703) 535-6432
Web: www.shrm.org

SPRI

Single Ply Roofing Institute

411 Waverley Oaks Road, Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TAPPI

Technical Association of the Pulp and
Paper Industry

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

TIA

Telecommunications Industry
Association

2500 Wilson Blvd
Arlington, VA 22201
Phone: (703) 907-7974
Fax: (703) 907-7727
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.

455 East Trimble Road
San Jose, CA 95131-1230
Phone: (408) 754-6656
Fax: (408) 754-6656
Web: www.ul.com/

VC (ASC Z80)

The Vision Council

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



ISO Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to Karen Hughes, at ANSI's New York offices (isot@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

AIRCRAFT AND SPACE VEHICLES (TC 20)

- ISO/DIS 19631, Aerospace - Tube fittings for fluid systems, 5 000 psi (35 000 kPa) - Qualification specification - 9/7/2012, \$71.00
- ISO/DIS 19632, Aerospace series - Fitting end, 24° internal cone, external thread, flareless type extra fine thread pitch inch series - Design standard - 9/7/2012, \$46.00
- ISO/DIS 22664, Space data and information transfer systems - TC (telecommand) space data link protocol - 9/9/2012, \$165.00
- ISO/DIS 22667, Space data and information transfer systems - Communications operation procedure-1 - 9/9/2012, \$155.00
- ISO/DIS 22669, Space data and information transfer systems - Space link extension (SLE) - Return-all-frames service - 9/9/2012, \$175.00
- ISO/DIS 22670, Space data and information transfer systems - Space link extension (SLE) - Return-channel-frames service - 9/9/2012, \$175.00
- ISO/DIS 26143, Space data and information transfer systems - Space link extension (SLE) - Return operational control fields service - 9/9/2012, \$185.00

GRAPHIC TECHNOLOGY (TC 130)

- ISO/DIS 14298, Graphic technology - Management of security printing processes - 9/5/2012, \$82.00
- ISO/DIS 16759, Graphic technology - Quantification and communication for calculating the carbon footprint of print media products - 9/6/2012, \$112.00

ROAD VEHICLES (TC 22)

- ISO/DIS 2974, Diesel engines - 60 degree female cones for high-pressure fuel injection components - 6/6/2012, \$53.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

- ISO 10517/DAmD1, Powered hand-held hedge trimmers - Safety - Draft Amendment 1 - 9/8/2012, \$29.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 9973, Information technology - Computer graphics, image processing and environmental data representation - Procedures for registration of items - 9/9/2012, \$93.00
- ISO/IEC CD 15940, Information Technology - Software Engineering Environment Services - 9/9/2012, \$125.00
- ISO/IEC DIS 22536, Information technology - Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol (NFCIP-1) - RF interface test methods - 9/6/2012, \$58.00
- ISO/IEC CD 26550, Software and Systems Engineering - Reference model for product line engineering and management - 9/9/2012, FREE
- ISO/IEC DIS 23006-4, Information technology - Multimedia service platform technologies - Part 4: Elementary services - 6/7/2012, \$146.00



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 6498:2012, Animal feeding stuffs - Guidelines for sample preparation, \$149.00

AIR QUALITY (TC 146)

ISO 12219-2:2012, Interior air of road vehicles - Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Bag method, \$80.00

ISO 12219-3:2012, Interior air of road vehicles - Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Micro-scale chamber method, \$104.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 11843-7:2012, Capability of detection - Part 7: Methodology based on stochastic properties of instrumental noise, \$92.00

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO 15643/Amd1:2012, Road construction and maintenance equipment - Bituminous binder spreaders/sprayers - Terminology and commercial specifications - Amendment 1, \$16.00

FLOOR COVERINGS (TC 219)

ISO 14486:2012, Laminate floor coverings - Specification, \$57.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 9345-1:2012, Microscopes - Imaging distances related to mechanical reference planes - Part 1: Tube length 160 mm, \$49.00

OTHER

IWA 11:2012, Guidelines for evaluating cookstove performance, \$49.00

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

ISO 16486-1:2012, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General, \$98.00

ISO 16486-2:2012, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes, \$73.00

ISO 16486-3:2012, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings, \$92.00

ISO 16486-5:2012, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system, \$98.00

ISO 16486-6:2012, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 6: Code of practice for design, handling and installation, \$98.00

POWDER METALLURGY (TC 119)

ISO 2739:2012, Sintered metal bushings - Determination of radial crushing strength, \$43.00

ROAD VEHICLES (TC 22)

ISO 13400-2:2012, Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 2: Transport protocol and network layer services, \$167.00

ISO 14230-1:2012, Road vehicles - Diagnostic communication over K-Line (DoK-Line) - Part 1: Physical layer, \$65.00

ROLLING BEARINGS (TC 4)

ISO 20515:2012, Rolling bearings - Radial bearings, retaining slots - Dimensions and tolerances, \$57.00

SAFETY OF TOYS (TC 181)

ISO 8124-4/Amd1:2012, Inflatable activity toys, \$16.00

SMALL CRAFT (TC 188)

ISO 12215-9:2012, Small craft - Hull construction and scantlings - Part 9: Sailing craft appendages, \$180.00

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

ISO 10865-1:2012, Wheelchair containment and occupant retention systems for accessible transport vehicles designed for use by both sitting and standing passengers - Part 1: Systems for rearward-facing wheelchair-seated passengers, \$116.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 13585:2012, Brazing - Qualification test of brazers and brazing operators, \$92.00

ISO Technical Reports

FIRE SAFETY (TC 92)

ISO/TR 834-3:2012, Fire-resistance tests - Elements of building construction - Part 3: Commentary on test method and guide to the application of the outputs from the fire-resistance test, \$110.00

TEXTILES (TC 38)

ISO/TR 11827:2012, Textiles - Composition testing - Identification of fibres, \$157.00

ISO Technical Specifications

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/TS 16976-4:2012, Respiratory protective devices - Human factors - Part 4: Work of breathing and breathing resistance: Physiologically based limits, \$86.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21117:2012, Information technology - Office equipment - Copying machines and multi-function devices - Information to be included in specification sheets and related test methods, \$122.00

ISO/IEC 24735:2012, Information technology - Office equipment - Method for measuring digital copying productivity, \$122.00

ISO/IEC 24730-2:2012, Information technology - Real time locating systems (RTLS) - Part 2: Direct Sequence Spread Spectrum (DSSS) 2,4 GHz air interface protocol, \$49.00

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 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 seeks to broaden its membership base and is recruiting new participants in the following membership categories:

- special interest (user, academic, consortia)
- non-business (government and major/minor SDOs)

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 email from standards@scte.org.

Redesignation of American National Standards

ANSI/ASTM National Adoptions

The following ANSI/ASTM National Adoptions are being redesignated to include the ISO document number as per Annex B of the Annex B: Designation, Maintenance, and Publication of a National Adoption of an ISO or IEC Standard of the ANSI Procedures for the National Adoption of ISO and IEC Standards as American National Standards:

Current Designation	Changed to
ANSI/ASTM F2290-2003	ANSI/ASTM ISO 5359-2003
ANSI/ASTM F2177-2002	ANSI/ASTM ISO 5361-2002
ANSI/ASTM F2288-2003	ANSI/ASTM ISO 5366-1-2003
ANSI/ASTM F2402-2004	ANSI/ASTM ISO 15002-2004
ANSI/ASTM F2265-2003	ANSI/ASTM ISO 10079-1-2003
ANSI/ASTM F2221-2002	ANSI/ASTM ISO 10079-2-2002
ANSI/ASTM F2222-2002	ANSI/ASTM ISO 10079-3-2002

PINS Correction

BHMA Listings

The following projects were mistakenly listed in the PINS sections of the June 8, 2012 edition of Standards Action. These announcements appeared in previous editions.

BSR/BHMA A156.13-201x
 BSR/BHMA A156.18-201x
 BSR/BHMA A156.20-201x
 BSR/BHMA A156.26-201x
 BSR/BHMA A156.29-201x

Voluntary Withdrawal

ANSI/IICRC S100:2011, Standard and Reference Guide for Professional Carpet Cleaning

The Institute of Inspection, Cleaning and Restoration Certification (IICRC) has voluntarily withdrawn ANSI/IICRC S100:2011, Standard and Reference Guide for Professional Carpet Cleaning as an American National Standard, effective June 6, 2012. Questions should be directed to: Mili Washington, Astd, IICRC Standards Director, E-mail: mili@iicrc.org, Phone: (360) 313 7088.

ANSI Accredited Standards Developers

Administrative Reaccreditation

American Composites Manufacturers Association (ACMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the American Composites Manufacturers Association (ACMA), an ANSI Organizational Member, has been administratively approved under its recently revised operating procedures for documenting consensus on ACMA-sponsored American National Standards, effective June 8, 2012. For additional information, please contact: Mr. Larry Cox, UEF ANS Secretariat, American Composites Manufacturers Association, 122 Wilshire Drive, Hebron, OH 43025; phone: 740.928.3286; E-mail: lcox1225@gmail.com.

Application for Accreditation

Concrete Reinforcing Steel Institute (CRSI)

Comment Deadline: July 16, 2012

The Concrete Reinforcing Steel Institute (CRSI), an ANSI Organizational Member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on CRSI-sponsored American National Standards. CRSI's proposed scope of standards activity is as follows:

To develop and maintain national standards for design, detailing, fabrication, placement, and construction of assemblies consisting of steel reinforcement and associated products for use in reinforced concrete and masonry construction.

To obtain a copy of CRSI's proposed operating procedures, or to offer comments, please contact: Mr. Neal Anderson, PE, SE, FACI, FPCI, Vice-President of Engineering, Concrete Reinforcing Steel Institute, 933 North Plum Grove Road, Schaumburg, IL 60173; Phone: (847) 517-1200; Fax: (847) 517-1206; E-mail: nanderson@crsi.org. Please submit your comments to CRSI by July 16, 2012, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (Fax: (212) 840-2298; E-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of CRSI's proposed operating procedures from ANSI Online during the public review period at the following URL: <http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comments%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

International Organization for Standardization (ISO)

New Secretariats

ISO/TC 43/SC 3 – Acoustics – Underwater Acoustics

Comment Deadline: July 6, 2012

The ANSI ISO Council (AIC) has approved ANSI's acceptance of and the delegation of the responsibility for the administration of the secretariat for ISO/TC 43/SC 3 (Acoustics – Underwater acoustics) to the American Acoustical Society (ASA).

Any directly and materially affected interest may appeal the decision of the AIC in accordance with section 3 of the ANSI Procedures for U.S. Participation in the International Standards Activities of ISO. The appeal shall be filed in writing with the Secretary of the AIC within 15 working days of the announcement of the action by the AIC in Standards Action.

ISO/TC 96/SC 8 – Cranes – Jib Cranes

Comment Deadline: July 6, 2012

The ANSI ISO Council (AIC) has approved ANSI's acceptance of and the delegation of the responsibility for the administration of the secretariat for ISO/TC 96/SC 8 (Cranes – Jib Cranes) to the National Commission for the Certification of Crane Operators (NCCCO).

Any directly and materially affected interest may appeal the decision of the AIC in accordance with section 3 of the ANSI Procedures for U.S. Participation in the International Standards Activities of ISO. The appeal shall be filed in writing with the Secretary of the AIC within 15 working days of the announcement of the action by the AIC in Standards Action.

New Work Item Proposal for a new ISO standard

Compliance Programs

Comment Deadline: July 27, 2012

Standards Australia (SA) has submitted to ISO the attached new work item proposal for a new ISO standard on Compliance Programs with the following scope statement:

The scope of this Standard is to provide principles and guidance for organizations designing, developing, implementing, maintaining and improving an effective compliance program.

It can be used to implement a compliance program to assist the organization with meeting any legislative and/or other commitments (voluntary or mandatory) to which an organization is obligated to comply with or has committed to meet on a voluntary basis. The commitments may include meeting legislation, codes of practice, industry and/or community agreements.

The Standard can also facilitate best practice benchmarking of compliance programs by both organizations and regulators.

The Standard is proposed to be based on the existing Australian Standard 3806-2006 Compliance programs, which has also been adopted by Standards New Zealand as an NZS/AS document.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, July 27, 2012.

TENTATIVE
SUBJECT TO REVISION
OR WITHDRAWAL
Specific Authorization Required
for Reproduction or Quotation
ASME Codes and Standards

Draft 05/30/12

1.5 Quality Systems

Requirements relating to the product manufacturer's Quality System Programs are described in Nonmandatory ~~Annex~~ A. **Appendix**

ASME B16.44 ~~2002~~

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APPENDIX

NONMANDATORY ~~ANNEX~~ A QUALITY SYSTEM PROGRAM

The products manufactured in accordance with this Standard shall be produced under a quality system program following the principles of an appropriate standard from the ISO 9000 series.¹ A determination of the need for registration and/or certification of the product

manufacturer's quality system program by an independent organization shall be the responsibility of the manufacturer. The detailed documentation demonstrating program compliance shall be available to the purchaser at the manufacturer's facility. A written summary description of the program utilized by the product manufacturer shall be available to the purchaser upon request. The product manufacturer is defined as the entity whose name or trademark appears on the product in accordance with the marking or identification requirements of this Standard.

¹ The series is also available from the American National Standards Institute (ANSI) and the American Society for Quality Control (ASQC) as American National Standards that are identified by a prefix "Q" replacing the prefix "ISO." Each standard of the series is listed in ~~para. 7~~

Mandatory Appendix I

ASME B16.44-2002

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7 REFERENCES

The following is a list of standards and specifications referenced in this Standard showing year of approval.

ANSI Z21.15-97/CGA 9.1-1997, Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves¹

Publisher: Canadian Gas Association (CGA), 20 Eglinton Avenue West, P.O. Box 2017, Toronto, Ontario M4R 1K8, Canada

ANSI/ISA S75.02-96, Control Valve Capacity Test Procedures¹

Publisher: Instrument Society of America (ISA), 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709

ASME B1.20.1-1983 (R2001), Pipe Threads, General Purpose (Inch)¹

Publisher: The American Society of Mechanical Engineers (ASME International), Three Park Avenue, New York, NY 10016-5990, Order Department: 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

ASTM A 47/A 47M-99, Specification for Ferritic Malleable Iron Castings

ASTM A 48/A 48M-00, Specification for Gray Iron Castings

ASTM A 108-99, Specification for Steel Bars, Carbon, Cold Finished, Standard Quality

ASTM A 126-95^{e1}, Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings

ASTM A 197/A 197M-00, Specification for Cupola Malleable Iron

ASTM A 395/A 395M-99, Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures

ASTM A 505-00, Specification for Steel, Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

ASTM A 536-84 (1999)^{e1}, Specification for Ductile Iron Castings

ASTM A 1011/A 1011M-01^{e1}, Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low Alloy with Improved Formability

ASTM B 16/B 16M-00, Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines

ASTM B 62-93, Specification for Composition Bronze or Ounce Metal Castings

ASTM B 117-97, Practice for Operating Salt Spray (Fog) Apparatus

¹ May also be obtained from American National Standards Institute, 25 West 43rd Street, New York, NY 10036.

MANUALLY OPERATED METALLIC GAS VALVES FOR USE IN ABOVEGROUND PIPING SYSTEMS UP TO 5 PSI

ASTM B 282-83a(1995)^{e1}, Specification for Sintered Brass Structural Parts

ASTM B 283-99a, Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed)

ASTM B 536-95, Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip

ASTM B 584-00, Specification for Copper Alloy Sand Castings for General Applications

ASTM D 395-98, Test Methods for Rubber Property-Compression Set

ASTM D 412-98a, Test Methods for Vulcanized Rubber and Thermoplastic Rubber and Thermoplastic Elastomers-Tension

ASTM D 471-98^{e1}, Test Method for Rubber Property-Effect of Liquids

ASTM D 573-99, Test Method for Rubber-Deterioration in an Air Oven

ASTM D 4894-98a, Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials

ASTM D 4895-98, Specification for Polytetrafluoroethylene (PTFE) Resin Produced From Dispersion

ASTM E 29-93a (1999), Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

Publisher: American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

ANSI Z21.15-97/CGA 9.1-1997, Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves¹

Publisher: Canadian Gas Association (CGA), 20 Eglinton Avenue West, P.O. Box 2017, Toronto, Ontario M4R 1K8, Canada

ANSI/ISA S75.02-96, Control Valve Capacity Test Procedures¹

Publisher: Instrument Society of America (ISA), 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709

ISO 9000-1: 1994, Quality Management and Quality Assurance Standards — Part 1: Guidelines for Selection and Use

ISO 9000-2: 1997, Quality Management and Quality Assurance Standards — Part 2: Generic Guidelines for the Application of ISO 9001, ISO 9002, and ISO 9003

ISO 9000-3: 1997, Quality Management and Quality Assurance Standards — Part 3: Guidelines for the Application of ISO 9001 to the Development, Supply, and Maintenance of Software

**MANUALLY OPERATED METALLIC GAS VALVES FOR
USE IN ABOVEGROUND PIPING SYSTEMS UP TO 5 PSI**

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ISO 9001: 1994, Quality Systems — Model for Quality Assurance in Design, Development, Production, Installation, and Servicing

ISO 9002: 1994, Quality Systems — Model for Quality Assurance in Production and Servicing

ISO 9003: 1994, Quality Systems — Model for Quality Assurance in Final Inspection and Test

Publisher: International Organization for Standardization (ISO), 1 Rue de Varembe, Case Postale 56, CH-1211, Genève 20, Switzerland/Suisse

MPIF Standard 35-97, Materials Standards for P/M Structural Parts

Publisher: Metal Powder Industries Federation (MPIF), 105 College Road, E, Princeton, NJ 08540

SAE J525-1999, Welded and Cold Drawn Steel Tubing Annealed for Bending and Flaring

Publisher: Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001

Editor's Note: Please Refer to Attachment C - Mandatory Appendix I for References

Attachment C – Mandatory Appendix I

**MANDATORY APPENDIX I
REFERENCES**

The following is a list of publications referenced in this Standard, showing the year of approval. Products covered by each ASTM specification are listed for convenience. (See specifications for exact titles and detailed contents.) Materials manufactured to other editions of the referenced ASTM specifications may be used to manufacture valves meeting the requirements of this Standard as long as the valve manufacturer verifies that the material meets the requirements of the referenced edition of the ASTM specification. Unless otherwise specified, the latest edition of ASME publications shall apply.

ASME B1.20.1-, Pipe Threads, General Purpose (Inch)

Publisher: The American Society of Mechanical Engineers (ASME International), Three Park Avenue, New York, NY 10016-5990; Order Department: 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

ANSI Z21.15-97/CGA 9.1-1997, 2009 Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves¹

Publisher:
Canadian Standards Association, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6

ANSI/ISA S75.02-96, Control Valve Capacity Test Procedures

Publisher: International Society of Automation (ISA), 67 T.W. Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709

ASTM A47/A47M-99 (2009), Specification for Ferritic Malleable Iron Castings

ASTM A48/A48M-03(2008), Specification for Gray Iron Castings

ASTM A108-07, Specification for Steel Bar, Carbon and Alloy, Cold Finished.

ASTM A126-04(2009), Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings

ASTM A197/A197M-00(2011), Specification for Cupola Malleable Iron

ASTM A395/A395M-99(2009), Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures

ASTM A505-00(2005), Specification for Steel, Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

ASTM A536-84 (2009), Specification for Ductile Iron Castings

ASTM A1011/A1011M-10, Specification for Steel, Sheet and Strip, Hot Rolled, Carbon, Structural, High Strength Low Alloy, High Strength Low Alloy with Improved Formability, and Ultra High Strength.

ASTM B16/B16M-10, Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines

ASTM B62-09, Specification for Composition Bronze or Ounce Metal Castings

ASTM B117-11, Practice for Operating Salt Spray (Fog) Apparatus

ASTM B283-11a, Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed)

ASTM B536-07, Specification for Nickel-Iron-Chromium- Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip

ASTM B584-11, Specification for Copper Alloy Sand Castings for General Applications

ASTM D395-03(2008), Test Methods for Rubber Property- Compression Set

ASTM D412-06ae2, Test Methods for Vulcanized Rubber and Thermoplastic Rubber and Thermoplastic Elastomers- Tension

ASTM D471-10, Test Method for Rubber Property- Effect of Liquids

ASTM D573-04(2010), Test Method for Rubber- Deterioration in an Air Oven

ASTM D4894-07, Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials

ASTM D4895-10, Specification for Polytetrafluoroethylene (PTFE) Resin Produced From Dispersion

ASTM E29 - 08: Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

Publisher: American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

ISO 9000 : 2005

Quality management systems —
Fundamentals and vocabulary

ISO 9001-2008,

Quality management systems

Publisher: International Organization for Standardization (ISO), 1, ch. de la Voie-Creuse, CP 56, CH-1211 Geneva 20, Switzerland

¹ May also be obtained from American National Standards Institute, 25 West 43rd Street, New York, NY 10036.

Attachment C – Mandatory Appendix I

MPIF Standard 35-07, Materials Standards for P/M Structural Parts

Publisher: Metal Powder Industries Federation (MPIF),
105 College Road, E, Princeton, NJ 08540

SAE J525-1999, Welded and Cold Drawn Low-Carbon Steel Tubing Annealed for Bending and Flaring HS-150/2000.

Publisher: Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001

**BSR/SPRI NT-1: Detection and Location of Latent Moisture in Building Roofing Systems
by Nuclear Radioisotopic Thermalization**

**Recirculation of Section 3.5.6
Underlined text has been added.**

3.5.6. **Personal Protection:** Unless otherwise allowed by the Governing Agency having jurisdiction, all users shall be provided with film badge type dosimeters to be worn when handling or using the equipment. Authorized personnel, meeting the requirements of part 4 below, shall see to it that other persons are kept away from the equipment during use, transportation, or storage.

BSR/UL 100, Standard for Sustainability for Gypsum Boards and Panels

1. The First Edition of the Standard for Sustainability for Gypsum Boards and Panels, UL 100

5.2 ACCEPTABLE HAZARD PROFILE - A product that does not contain ingredients that pose hazards which are immediate and/or have lasting, irreversible impacts, or result in unavoidable prolonged exposure. ~~This term is further described as defined~~ in the Procedure for the Preparation of a Toxicological Assessment, ULE P 113.

5.9 DIVERSION RATIO - The remainder of one (1) minus the quotient of the mass of material sent to a landfill or incinerated without energy recovery divided by ~~the total mass~~ the total waste of dry finished goods produced in a one-year time period.

8.1 A manufacturer shall provide a product composition inventory down to 0.1% by mass that characterizes the materials in the following manner: Material/Ingredient, Chemical Abstracts Service (CAS) number, Supplier, Unit of Measure, Quantity, Percentage Composition, Identification of Alternative Resource Percentage, and Hazard Classifications (Hazardous Material Identification System (HMIS) or similar rating). Data shall be provided according to the format provided in the table in Appendix B. Only one of HMIS, NFPA or the EU hazard classification scheme is needed for each chemical. This information is for the use of assessment to the criteria in this standard and is not to be released publicly. [Note - See Appendix D for additional information]

15.1 A product shall receive one point for each remediation project when the manufacturer closing a mine exceeds statutory requirements for mine reclamation and closure. A maximum of three points are available for this criterion. ~~Examples of actions that exceed requirements include, but are not limited to, in-filling pits, enhancing habitat development, returning the site to a higher use, or recognition in the form of a commendation or award from a local, state or federal agency such as the Virginia Statewide Mining Reclamation Award.~~ Credit for the remediation project shall expire five (5) years after its completion.

AD15 Remediation of Mines

AD15.1 Examples of actions that exceed mine remediation requirements include, but are not limited to, in-filling pits, enhancing habitat development, returning the site to a higher use, or recognition in the form of a commendation or award from a local, state or federal agency such as the Virginia Statewide Mining Reclamation Award.

20.1.1 (**prerequisite**) A prerequisite for compliance with these requirements shall be the documentation of a toxicological assessment of all ingredients that addresses:

- a) Regulatory Status (US and O-US, ~~including pending action~~);
- b) Exposure Pathways - inhalation, oral and dermal;
- c) Environmental Fate - including potential for endocrine effects and bioaccumulation;
- d) Inherent Toxicity - in occupational and end use; and
- e) Potential for development of microbial resistance (biocides only)

Instructions for preparation of the toxicological assessment are found in Procedure for the Preparation of a Toxicological Assessment, ULE P 113.

As detailed in ULE P 113, the toxicological assessment shall include a statement of whether the product meets the optional criteria for an acceptable hazard profile.

20.2 Restricted materials ~~Reduction of toxics in materials~~ (**prerequisite**)

25.1 (**prerequisite**) A manufacturer shall demonstrate compliance with all relevant performance standards as described in this Section. To demonstrate compliance with this Section, the manufacturer

shall submit a current certification from an independent third-party certification body with a product emission program accredited to ISO Guide 65, or shall submit a test report, from within the past year, that has been prepared by an independent third-party testing laboratory that is accredited to ISO Guide 17025 and has the CDPH/EHLB Standard Method V1.1 included in the scope of the accreditation. Compliance shall be demonstrated through reports or other physical means.

ASTM C 1396C/1396M-09a, Standard Specification for Gypsum Board

ASTM C 1278/C 1278M-07a, Standard Specification for Fiber-Reinforced Gypsum Panel

ASTM C 1658/C 1658M-06, Standard Specification for Glass Mat Gypsum Panels

ASTM C 1177/C 1177M-08, Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing

ASTM C 1178/C 1178M-08, Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel

21 Indoor Environmental Quality (IEQ)– Minimization of indoor volatile organic chemical (VOC) emissions

~~21.1 (prerequisite for indoor products) A product shall meet the 96-hour emissions requirements for a classroom model scenario based on the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Various Indoor Sources Using Environmental Chambers, CDPH/EHLB/Standard Method V1.1 (February 2010). This emissions testing method for California Specification 01350 supersedes a previous standard practice. [Note – See Appendix D for additional information]~~

~~21.2 Two additional points shall be earned by a product demonstrating compliance with the requirements of the CDPH/EHLB Standard Method V1.1 using the classroom scenario through one of the following methods:~~

- ~~a) The manufacturer shall submit a current certification from an independent third-party certification body with a product emission program accredited to ISO Guide 65, or~~
- ~~b) The manufacturer shall submit a test report, from within the past year, that has been prepared by an independent third-party testing laboratory that is accredited to ISO Guide 17025 and has the CDPH/EHLB Standard Method V1.1 included in the scope of the accreditation.~~

~~25.2 (prerequisite for products making mold-resistant property claims) A product manufactured with mold-resistant property claims shall comply when it achieves a minimum rating of 8 as tested in accordance with ASTM D3273-00, Standard Test Method for Resistance to Growth of Mold, and certified by an independent laboratory with ISO 17025 accreditation for the referenced method.~~

21 Indoor Environmental Quality (IEQ)– Minimization of indoor volatile organic chemical (VOC) emissions

21.1 Minimization of indoor volatile organic chemical (VOC) emissions

21.1.1 (prerequisite for indoor products) A product shall meet the 96-hour emissions requirements for a classroom model scenario based on the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Various Indoor Sources Using Environmental Chambers, CDPH/EHLB/Standard Method V1.1 (February 2010). This emissions testing method for California Specification 01350 supersedes a previous standard practice. [Note - See Appendix D for additional information]

21.1.2 Two additional points shall be earned by a product demonstrating compliance with the requirements of the CDPH/EHLB Standard Method V1.1 using the classroom scenario through one of the following methods:

- a) The manufacturer shall submit a current certification from an independent third-party certification body with a product emission program accredited to ISO Guide 65, or
- b) The manufacturer shall submit a test report, from within the past year, that has been prepared by an independent third-party testing laboratory that is accredited to ISO Guide 17025 and has the CDPH/EHLB Standard Method V1.1 included in the scope of the accreditation.

21.2 Mold resistant gypsum board and panels

21.2.1 (**prerequisite for products making mold-resistant property claims**) A product manufactured with mold-resistant property claims shall comply when it achieves a minimum rating of 8 as tested in accordance with ASTM D3273-00, Standard Test Method for Resistance to Growth of Mold, and certified by an independent laboratory with ISO 17025 accreditation for the referenced method.

26.1 A product shall receive one point when the manufacturer publicly documents ~~company support for~~ ongoing landfill diversion projects or programs which include demonstration of secondary uses of recovered drywall. Documentation may take the form of financial reports, brochures, literature, partnerships, etc. [Note - See Appendix D for additional information]

27.1 This Section allows the product to receive credit for innovative environmental efforts, actions, programs, policies, or achievements, ~~etc.~~ ("actions") the manufacturer undertakes. The intent is to award activities that exhibit exceptional performance above and beyond those required within this standard ~~as well as activities that are not covered by the criteria within this standard.~~

27.2 Innovation credit may be awarded in areas such as, ~~but not limited to,~~ significant waste reductions, high levels of renewable energy, significant reductions in water usage, ~~etc.~~

APPENDIX C

ASTM C 1396C/1396M-09a, Standard Specification for Gypsum Board

ASTM C 1278/C 1278M-07a, Standard Specification for Fiber-Reinforced Gypsum Panel

ASTM C 1658/C 1658M-06, Standard Specification for Glass Mat Gypsum Panels

ASTM 1177/C 1177M-08, Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing

ASTM C 1178/C 1178M-08, Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel

ASTM D 3273-00, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber

Cal/EPA PROP 65, Safe Drinking Water and Toxic Enforcement Act of 1986,
<http://www.oehha.org/prop65.html>

California Specification Section 01350 emissions test method, CDPH//EHLB, Standard Method for Testing of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers V1.1 (February 2010)

EPA

Ambient Water Quality Guidelines, <http://epa.gov/waterscience/criteria/wqctable/>

FTC

Guides for the Use of Environmental Marketing Claims, 16 CFR Part 260 (1998), <http://www.ftc.gov/bcp/grnrule/guides980427.htm>

ISO

ISO 9001, Quality management systems Requirements

Statement Regarding Problem Imported Drywall

The CPSC considers orthorhombic sulfur, S8, also known as elemental sulfur, as a corroborating marker for problem drywall and suggests a screening level of 10ppm or less. While the statistical link between orthorhombic sulfur and complaint homes is strong, elemental sulfur itself is unlikely to be the cause of the problems. It would appear that a complete description of the causes of corrosion and the health effects reported by residents is yet to be determined.

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BSR/UL 207, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical

2. Clarifications to pressure vessel, strength, fatigue and marking requirements in addition to other editorial corrections

22.1.3 Except as specified in 22.1.5, ~~or 22.1.6,~~ or 22.1.8 a component shall be legibly and permanently marked with each refrigerant type for which the component is intended. The refrigerant type shall be specified by a trade name or a refrigerant number.

22.1.5 In reference to 22.1.3, a component made of copper or brass and not provided with the refrigerant type marking shall comply with 22.1.6 or 22.1.8. In addition, a statement indicating that the copper or brass component is not suitable for use with ammonia (R717) shall be legibly marked on the component or on:

- a) The shipping carton;
- b) A separate instruction sheet included with the shipping carton; or
- c) A tag or label attached to the component.

22.1.6 In reference to 22.1.3, a component without the refrigerant type marking and without a refrigerant holding charge shall:

a) Be marked with the following or equivalent statement: "The design pressure marked on this component shall not be less than the installed system working pressure or less than the values outlined in ASHRAE 15 for the charged refrigerant. After charging, mark the installed equipment with the refrigerant type and oil used." This marking shall be provided on:

- 1) The shipping carton;
- 2) A separate instruction sheet included with the shipping carton; or
- 3) A separate tag or label attached to the component.

~~b) Not be provided with a refrigerant holding charge; and~~

~~e b) Not be tested specifically for a certain refrigerant, such as might be required if certain gasket materials are used.~~

22.1.8 In reference to 22.1.3, a component without the refrigerant type marking and either with a holding charge or which has been tested specifically for a certain refrigerant shall be legibly marked with the refrigerant type on:

- a) The shipping carton;

- b) A separate instruction sheet included with the shipping carton; or
- c) A tag or label attached to the component.

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BSR/UL 484, Standard for Safety for Room Air Conditioners**1. Addition of Supplement SB, requirements for smart enabled room air conditioners****SB - REQUIREMENTS FOR SMART ENABLED ROOM AIR CONDITIONERS*****SB2 General***

SB2.3 When the control enclosure forms part of the overall appliance enclosure, the enclosure material shall comply with ~~Group 1 or Group 2~~ the enclosure requirements of ~~Table 4.3~~ Table 8.1, as appropriate. The enclosure for an extra-low voltage circuit only shall be minimum HB.

SB2.4 The separation of communication circuits from power and control circuits shall be evaluated for risk of electric shock in accordance with ~~Clause 4.12~~ Clause 12.

Exception: Compliance with the separation of circuits requirements of UL 60730-1 or UL 60950-1 is considered to fulfill this requirement.

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BSR/UL 796F, Standard for Safety for Flexible Materials Interconnect Constructions

1. Clarification of Requirements for Flammability Test of Conductive Paste Described in Section 5.15.2

5.15.2 Conductive paste for shield material flammability test sampled

5.15.2.1 If a conductive paste material is applied as shield material in interconnect construction, flammability tests shall be conducted on the minimum and maximum interconnect construction build-up thickness.

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BSR/UL 1029, Standard for Safety for High-Intensity-Discharge Lamp Ballasts

1. Revision to Input Test to include input current limits during lamp starting and lamp out conditions

20.1 The current input, the measured output voltage, and the measured voltage to ground shall not be more than 110 percent of their respective marked ratings when the ballast is controlling lamps of any number and size for which it is marked, the ballast is energized at the input voltage and frequency in accordance with 18.1, and the lamp operation is in accordance with 18.3.

Exception: The current input measured during lamp starting and lamp out conditions shall be:

- a) Not more than 125% of the marked current rating for normal ballast operation; or
- b) Not more than 110% of the marked current rating for these lamp conditions.

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BSR/UL 2515, Standard for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings

Proposal to Correlate the Minimum and Maximum Socket Depth Requirements of UL 2515, Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings, with UL 2420, Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings.

Table 5

Dimensions for couplings - IPS SW

(See Clause 4.3.1)

Trade size	Metric designator	Socket depth				Inside diameter of socket, minimum		Socket wall thickness, minimum	
		Minimum		Maximum		mm	(in)	mm	(in)
		mm	(in)	mm	(in)				
1/2	16	50.80	2.00	427.00 101.6	5.00 4.00	22.10	0.870	1.40	0.055
3/4	21	50.80	2.00	427.00 101.6	5.00 4.00	27.43	1.080	1.40	0.055
1	27	50.80	2.00	427.00 101.6	5.00 4.00	34.16	1.345	1.40	0.055
1-1/4	35	50.80	2.00	427.00 101.6	5.00 4.00	42.93	1.690	1.40	0.055
1-1/2	41	50.80	2.00	427.00 101.6	5.00 4.00	49.02	1.930	1.40	0.055
2	53	50.80	2.00	127.00	5.00	60.96	2.400	1.40	0.055
2-1/2	63	50.80	2.00	127.00	5.00	74.42	2.930	1.40	0.055
3	78	50.80	2.00	127.00	5.00	89.66	3.530	1.40	0.055
4	103	57.15 76.20	2.25 3.00	127.00	5.00	115.06	4.530	1.40	0.055
5	129	76.20	3.00	127.00	5.00	142.49	5.610	1.91	0.075
6	155	76.20	3.00	127.00	5.00	169.04	6.655	1.91	0.075

Table 6

Dimensions for couplings - IPS HW

(See Clause 4.3.1)

Trade size	Metric designator	Socket depth				Inside diameter of socket, minimum		Socket wall thickness, minimum	
		Minimum		Maximum		mm	(in)	mm	(in)
		mm	(in)	mm	(in)				
4HW	H103	57.15 76.20	2.25 3.00	401.60 127	4.00 5.00	115.06	4.530	1.91	0.075

5HW	H129	76.20	3.00	420.65 127	4.75 5.00	142.49	5.610	2.41	0.095
6HW	H155	76.20	3.00	420.65 127	4.75 5.00	169.16	6.660	2.41	0.095

Table 7

Dimensions for couplings - ID SW

(See Clause 4.3.1)

Trade size	Metric designator	Socket depth, minimum				Inside diameter of socket, minimum		Socket wall thickness, minimum	
		Minimum		Maximum		mm	(in)	mm	(in)
		mm	(in)	mm	(in)				
1/2	16	50.80	2.00	427.00 101.6	5 4.00	16.05	0.632	1.40	0.055
3/4	21	50.80	2.00	427.00 101.6	5 4.00	22.40	0.890	1.40	0.055
1	27	50.80	2.00	427.00 101.6	5 4.00	29.46	1.160	1.40	0.055
1-1/4	35	50.80	2.00	427.00 101.6	5 4.00	35.81	1.410	1.40	0.055
1-1/2	41	50.80	2.00	427.00 101.6	5 4.00	42.16	1.660	1.40	0.055
2	53	50.80	2.00	127.00	5.00	55.12	2.170	1.40	0.055
2-1/2	63	50.80	2.00	127.00	5.00	66.29	2.670	1.40	0.055
3	78	50.80	2.00	127.00	5.00	80.52	3.170	1.40	0.055
3-1/2	91	50.80	2.00	127.00	5.00	93.22	3.670	1.40	0.055
4	103	57.15 76.20	2.25 3.00	127.00	5.00	105.92	4.170	1.40	0.055
4-1/2	116	76.20	3.00	127.00	5.00	119.63	4.710	1.91	0.075
5	129	76.20	3.00	127.00	5.00	132.84	5.230	1.91	0.075
6	155	76.20	3.00	127.00	5.00	158.24	6.230	1.91	0.075

Table 8

Dimensions for couplings - ID HW

(See Clause 4.3.1)

Trade size	Metric designator	Socket depth				Inside diameter of socket, minimum		Socket wall thickness, minimum	
		Minimum		Maximum		mm	(in)	mm	(in)
		mm	(in)	mm	(in)				
4HW	H103	57.15	2.25	401.60	4.00	107.44	4.230	1.91	0.075

		<u>76.20</u>	3.00	<u>127</u>	<u>5</u>				
4-1/2HW	H116	76.20	3.00	120.65 <u>127</u>	4.75 <u>5</u>	120.90	4.760	2.29	0.090
5HW	H129	76.20	3.00	120.65 <u>127</u>	4.75 <u>5</u>	133.10	5.240	2.29	0.090
6HW	H155	76.20	3.00	120.65 <u>127</u>	4.75 <u>5</u>	158.24	6.230	2.29	0.090

Table 10

Threaded adapter

(See Clause 4.5.1.1 and Annex C)

Trade size	Metric designator	Socket depth				Minimum inside diameter	
		Minimum		Maximum		mm	(in)
		mm	(in)	mm	(in)		
1/2	16	50.8	2	76.2 <u>101.6</u>	3 <u>4</u>	12.2	0.42
3/4	21	50.8	2	76.2 <u>101.6</u>	3 <u>4</u>	18.5	0.73
1	27	50.8	2	76.2 <u>101.6</u>	3 <u>4</u>	24.9	0.98
1-1/4	35	50.8	2	76.2 <u>101.6</u>	3 <u>4</u>	31.2	1.23
1-1/2	41	50.8	2	76.2 <u>101.6</u>	3 <u>4</u>	36.8	1.48
2	53	50.8	2	101.6 <u>127</u>	4 <u>5</u>	50.3	1.98
2-1/2	63	50.8	2	101.6 <u>127</u>	4 <u>5</u>	63.0	2.48
3	78	50.8	2	101.6 <u>127</u>	4 <u>5</u>	75.7	2.98
3-1/2	91	50.8	2	101.6 <u>127</u>	4 <u>5</u>	88.4	3.48
4	103	57.2 <u>76.2</u>	2.25 <u>3</u>	101.6 <u>127</u>	4 <u>5</u>	101.1	3.98
4-1/2*	116	76.2	3	144.3 <u>127</u>	4.5 <u>5</u>	113.8	4.48
5	129	76.2	3	144.3 <u>127</u>	4.5 <u>5</u>	126.5	4.98
6	155	76.2	3	144.3 <u>127</u>	4.5 <u>5</u>	151.9	5.98

*See Annex C

Note: Threaded adapter includes both tapered threads (national pipe thread taper, NPT) and straight threads (national pipe thread straight, NPTF).