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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: November 29, 2015

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

Addenda

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

This addendum clarifies the exceptions contained under Prohibited Development Activity provisions for fish/wildlife habitat conservation areas and wetlands.

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

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

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

Addenda

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

This addendum changes the U-, C- and F- factors and the SHGC from 10% to 5% based on these limits being more practical to design and build, while having only a limited impact on energy use.

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME PVHO-1-201x, Safety Standard for Pressure Vessels for Human Occupancy (revision of ANSI/ASME PVHO-1-2012)

This Standard applies to all pressure vessels that enclose a human within its pressure boundary while under internal or external pressure exceeding a differential pressure of 2 psi. PVHOs include, but are not limited to, submersibles, diving bells, personnel transfer capsules; and decompression, recompression, hypobaric, and hyperbaric PVHOs.

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

Send comments (with copy to psa@ansi.org) to: Gerardo Moino, (212) 591-8460, moinog@asme.org

NSF (NSF International)

Revision

BSR/NSF 61-201x (i128), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2014a)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

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

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

TIA (Telecommunications Industry Association)

Addenda

BSR/TIA 568-C.2-1-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)

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

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

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

TIA (Telecommunications Industry Association)

Addenda

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

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

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

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 330A-201x, Standard for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (new standard)

The following is being recirculated: Revisions to proposed first edition, specifically revisions to the Long Term Exposure Test for Hose and Hose Assemblies, Section 30, and Manufacturing and Production Tests, Section 33.

[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 1-201X, Standard for Safety for Flexible Metal Conduit (revision of ANSI/UL 1-2007 (R2012))

Document dated 10-30-15 proposes the following revisions: (a) Removal of the minimum strip thickness for Reduced Wall Flexible Metal Conduit (RWFMC) and (b) Zinc coating on test specimen conduit edges.

[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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 414-201x, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2009 (R2014))

This proposal for UL 414 involves the addition of requirements for clamping jaw designs for meter sockets.

[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 1313-201X, Standard for Nonmetallic Safety Cans for Petroleum Products (revision of ANSI/UL 1313-2012)

The following changes in requirements to the Standard for Nonmetallic Safety Cans for Petroleum Products, UL 1313, are being proposed: (1) Clarify general requirements in Section 3; (2) Update references to ASTM standards; and (3) Revise UV test methods in Section 26.3 to reflect updated practice.

[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

Comment Deadline: December 14, 2015**ADA (American Dental Association)****New National Adoption**

BSR/ADA Specification No. 41-201x, Evaluation of Biocompatibility of Medical Devices Used in Dentistry (national adoption of ISO 7405:2008 with modifications and revision of ANSI/ADA Specification No. 41-2005)

This standard covers standard practices for the biological evaluation of the safety of medical devices used in dentistry. In addition, this document covers biological evaluation of the device component of combination products, including those with a pharmacological agent or biologic component as an integral part of the device. This standard does not cover testing of materials and devices that do not come into direct or indirect contact with the patient's body.

Single copy price: \$72.00

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

ADA (American Dental Association)**Reaffirmation**

BSR/ADA Standard No. 37-2001 (R201x), Dental Abrasive Powders (reaffirmation of ANSI/ADA Specification No. 37-2001 (R2010))

This standard is for powered abrasive materials used in dentistry for removing stains and gross scratches from natural tooth structures and prostheses but not including materials used in laboratory blasting processes. These materials are divided into types depending on the intended manner of use and further subdivided into classes based upon the predominant abrasive agent present in the product.

Single copy price: \$40.00

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

ADA (American Dental Association)**Reaffirmation**

BSR/ADA Standard No. 43-1986 (R201x), Electrically Powered Dental Amalgamators (reaffirmation of ANSI/ADA Specification 43-1986 (R2010))

This standard is for mechanical dental amalgamators used for the mixing of alloy and mercury to make dental amalgam. It includes multipurpose devices but is restricted to their function of triturating alloy and mercury to produce dental amalgam.

Single copy price: \$40.00

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

ADA (American Dental Association)**Reaffirmation**

BSR/ADA Standard No. 62-2005 (R201x), Dental Abrasive Pastes (reaffirmation of ANSI/ADA Specification No. 62-2005 (R2010))

This standard is for in-office abrasive pastes used in dentistry for removing stains and other exogenous materials from natural tooth structures and prostheses.

Single copy price: \$40.00

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

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)**New Standard**

BSR/AHRI Standard 540 (I-P and SI)-201x, Performance Rating of Positive Displacement Refrigerant Compressors and Compressor Units (new standard)

This standard applies to positive-displacement refrigerant compressors operating in subcritical applications at a fixed displacement. This standard also applies to the presentation of performance data for compressors for air-cooled, evaporative-cooled, or water-cooled air-conditioning, heat pump and refrigeration applications. The manufacturer is solely responsible for the determination of values to be used in published product information. This standard stipulates the minimum amount of information to be provided and suggests a method to be used to verify the accuracy of that information.

Single copy price: Free

Order from: Daniel Abbate, (703) 600-0327, dabbate@ahrinet.org

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

AMCA (Air Movement and Control Association)**Revision**

BSR/AMCA Standard 210-201x, Laboratory Methods of Testing Fans for Aerodynamic Performance Rating (revision of ANSI/AMCA 210/ASHRAE Standard 51-2007)

Changes included in this revision to AMCA 210/ASHRAE 51: (1) The measurement and reporting of electrical power into a driven fan was added, along with the corresponding wire-to-air efficiency for a driven fan; (2) A detailed description of fan outlet area with examples of how it is measured for various fan types was added as a normative annex; (3) The revised use of symbols and subscripts for fan input power to clarify which drive components are included in the power measurement; and (4) The procedure for checking the effectiveness of airflow settling means in chambers was modified.

Single copy price: \$5.00

Obtain an electronic copy from: amuledy@amca.org

Order from: Amanda Muledy, (847) 394-0150, amuledy@amca.org

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

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

BSR/ASABE S276.8 MONYEAR-201x, Slow-Moving Vehicle Identification Emblem (SMV Emblem) (revision of ANSI/ASAE S276.7 W/Corr.1 SEP2010 (R2014))

Establishes specs that define a unique identification emblem, the Slow-Moving Vehicle Emblem (SMV), to be used only for slow-moving machines (vehicles), when operated or traveling on public roads. Requirements and applications of the standard are defined in the standard. The purpose is to communicate to third parties the slower speed capabilities of the slow-moving vehicle to other vehicle(s) using public roads. Primary application of the SMV emblem will be with implements of husbandry but may be used with other machines or vehicles that travel at speeds less than 40 km/h (25 mile/h).

Single copy price: \$58.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

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

BSR/ASHRAE Standard 184P-201x, Method of Test for Field Performance of Liquid-Chilling Systems (new standard)

ASHRAE Standard 184P prescribes methods for obtaining performance data relating to field-installed liquid-chilling systems.

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>

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

BSR/ASHRAE Standard 33-2000R-201x, Methods of Testing Forced Circulation Air Cooling and Air Heating Coils (revision of ANSI/ASHRAE Standard 33-2000)

ASHRAE Standard 33 is a Method of Test (MOT) standard for use in laboratory testing of forced-circulation air-heating and air-cooling coils. This standard prescribes laboratory methods of testing forced-circulation air-cooling coils, for application under nonfrosting conditions, and forced-circulation air-heating coils to ensure uniform performance information for establishing ratings.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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

BSR/ASME BPVC Section II-2015 (Parts A, B, and D), Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II - 2015)

Section II of the Boiler and Pressure Vessel Code provides material specifications for base metallic materials and material design values and limits and cautions on the use of materials.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Noel Lobo, lobon@asme.org

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

BSR/AWS D8.2M-201X, Specification for Automotive Weld Quality - Resistance Spot Welding of Aluminum (new standard)

This document contains both visual and measurable acceptance criteria for resistance spot welds in aluminum. The information contained in this standard may be used as an aid by designers, resistance welding equipment manufacturers, welded product producers, and others involved in the automotive industry and resistance spot welding of aluminum.

Single copy price: \$32.00

Obtain an electronic copy from: mrodriguez@aws.org

Order from: mrodriguez@aws.org

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

AWS (American Welding Society)**Revision**

BSR/AWS B5.4-201X, Specification for the Qualification of Welder Test Facilities (revision of ANSI/AWS B5.4-2005)

This specification defines minimum requirements to enable welder qualification test facilities to consistently conduct welder qualification testing to meet the requirements of codes and other standards. This specification may be used by all welder qualification test facilities. Test facilities may be part of an independent laboratory, manufacturing plant, educational institution, or other party. This document becomes mandatory when invoked by a referencing document such as a specification or contract document. It should also be noted that this specification does not establish welder certification requirements.

Single copy price: \$28.00

Obtain an electronic copy from: steveh@aws.org

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

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

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

BSR/AWWA B101-201x, Precoat Filter Media (revision of ANSI/AWWA B101-2012)

This standard describes diatomaceous earth (DE), perlite, and other disposable filter materials used to precoat filters for 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; vdavid@awwa.org

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

CRRC (Cool Roof Rating Council)**Revision**

BSR/CRRC S100-201x, Standard Test Methods for Determining Radiative Properties of Materials (revision and redesignation of ANSI/CRRC 1-2012)

ANSI/CRRC S100, Standard Test Methods for Determining Radiative Properties of Materials, covers specimen preparation and test methods for determining the initial and aged solar reflectance and thermal emittance of roofing products.

Single copy price: Free

Obtain an electronic copy from: http://coolroofs.org/documents/ANSI-CRRC_S100_-_Draft_Update_-_redline_copy_-_2015-10-14.pdf

Order from: Sarah Schneider, (510) 482-4420 x202, info@coolroofs.org

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

MSS (Manufacturers Standardization Society)**New Standard**

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

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

Single copy price: \$110.00

Obtain an electronic copy from: standards@mss-hq.org

Order from: Michelle Pennington, (703) 281-6613, Ext 101, mpennington@mss-hq.org

Send comments (with copy to psa@ansi.org) to: Robert O'Neill, (703) 281-6613, boneill@mss-hq.org

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

BSR A108.1b-1999 (R201x), Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar (reaffirmation of ANSI A108.1b-1999 (R2010))

This standard is intended to describe specifications for the installation of ceramic tile on a cured Portland cement mortar setting bed with dry-set or latex-Portland cement mortar.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.1C-1999 (R201x), Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar (reaffirmation of ANSI A108.1C-1999 (R2010))

This standard gives the contractor the ability to select either A108.1A or A108.1B for installation of ceramic tile.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.11-2010 (R201x), Interior Installation of Cementitious Backer Units (reaffirmation of ANSI A108.11-2010)

This standard describes the specifications for interior installation of cementitious backer units.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.13-2005 (R201x), Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone (reaffirmation of ANSI A108.13-2005 (R2010))

This specification is a guideline for installing waterproof membrane that comply with ANSI A118.10.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.15-2005 (R201x), Alternate Method: Installation of Paper-Faced Glass Mosaic Tile (reaffirmation of ANSI A108.15-2005 (R2010))

This specification is a guideline for installing paper-faced glass mosaic tile over portland cement mortar beds, cured a minimum of seven days, and cementitious backer units using manufacturer-recommended ANSI A118.4 thin-sets combined with back buttering the sheets with grout during the installation process.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.16-2005 (R201x), Installation of Paper-Faced, Back-Mounted, Edge-Mounted, or Clear Film Face-Mounted Glass Mosaic Tile (reaffirmation of ANSI A108.16-2005 (R2010))

This specification is a guideline for installing paper-faced, back-mounted, edge-mounted, or clear-film-face-mounted glass mosaic tile, 3/16 in. or thicker, using the direct bond method over portland cement mortar beds, cured seven days minimum, and cementitious backer units.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A108.17-2005 (R201x), Installation of Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone (reaffirmation of ANSI A108.17-2005 (R2010))

This specification is a guideline for installing crack isolation membranes that comply with ANSI A118.12.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A118.5-1999 (R201x), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation (reaffirmation of ANSI A118.5-1999 (R2010))

This specification covers the requirements for chemical resistant furan resin mortars and grouts for the installation of ceramic units when tested in accordance with the methods designated in this standard.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A118.6-2010 (R201x), Standard Specifications for Standard Cement Grouts for Tile Installation (reaffirmation of ANSI A118.6-2010)

This specification describes the test methods and minimum requirements for standard cementitious grouts.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A118.7-2010 (R201x), Standard Specifications for High Performance Cement Grouts for Tile Installation (reaffirmation of ANSI A118.7-2010)

This specification describes the test methods and minimum requirements for high performance cement grouts.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A118.8-1999 (R201x), Standard Specifications for Modified Epoxy Emulsion Mortar/Grout (reaffirmation of ANSI A118.8-1999 (R2010))

This specification describes the test methods and the minimum requirements for modified epoxy emulsion mortar/grout.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

BSR A118.9-1999 (R201x), Standard Specifications for Test Methods and Specifications for Cementitious Backer Units (reaffirmation of ANSI A118.9-1999 (R2010))

This specification describes the test methods and the minimum requirements and values for cementitious backer units.

Single copy price: \$15.00

Obtain an electronic copy from: Tile Council of North America

Order from: Tile Council of North America

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA 606-B-1-201x, Administration Standard for Commercial Telecommunications Infrastructure - Automated Infrastructure Management Systems (addenda to ANSI/TIA 606-B-2012)

The purpose of this addendum is to update the core functions, auxiliary functions, and usage recommendations for automated infrastructure management (AIM) systems specified in TIA 606-B to harmonize with ISO/IEC 14763-2-1, Implementation and operation of customer premises cabling - Part 2: Planning and installation - Amendment for inclusion of AIM systems, and ISO/IEC 18598, Automated Infrastructure Management (AIM) Systems - Requirements, Data Exchange and Applications.

Single copy price: \$56.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**New Standard**

BSR/TIA 455-171-B-201x, Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (new standard)

Describes the various methods available to measure the attenuation of optical components.

Single copy price: \$76.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA 470.130-C-2008 (R201x), Telecommunications - Telephone Terminal Equipment - Headset Acoustic Performance Requirements for Analog Telephones (reaffirmation of ANSI/TIA 470.130-C-2008)

This standard provides transmission requirements for analog telephones when used with a headset. The requirements in this standard apply to telephones intended to be connected to the Public Switched Telephone Network (PSTN). These requirements should ensure compatibility and satisfactory performance to the user in a high percentage of installations. The interface between the telephone and the headset is outside the scope of this standard.

Single copy price: \$116.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA 470.310-D-2010 (R201x), Telecommunications - Telephone Terminal Equipment - Cordless Telephone Range Measurement Procedures (reaffirmation of ANSI/TIA 470.310-D-2010)

This standard establishes procedures and criteria for evaluating Cordless Telephone Range Performance in a traditional outdoor environment as well as a controlled laboratory environment.

Single copy price: \$112.00

Obtain an electronic copy from: TIA; standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)**New National Adoption**

BSR/UL 62841-2-5-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws (national adoption with modifications of IEC 62841-2-5)

(1) Proposed adoption of the first edition of IEC 62841-2-5, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular requirements for Hand-Held Circular Saws, as the first edition of UL 62841-2-5.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)***New National Adoption***

BSR/UL 62841-3-6-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)

(1) Proposed adoption of the first edition of IEC 62841-3-6, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for transportable diamond drills with liquid system, as the first edition of UL 62841-3-6.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

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

BSR/UL 1004-9-201X, Standard for Safety for Form Wound and Medium Voltage Rotating Electrical Machines (new standard)

UL proposes a new standard which covers field-installed machines with form wound windings and rated for applications between 460 V and up to 34,000 V. This standard also applies to field-installed machines employing random wound windings and rated for applications above 1,000 V and up to 7,200 V.

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: Jonette Herman, (919) 549-1479, Jonette.A.Herman@ul.com

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

BSR/UL 7003-201x, Standard for Sustainability for Household Clothes Washers (new standard)

This Standard covers clothes washing appliances for household and residential style commercial use (e.g., a coin-operated appliance in an apartment building) included within the scope of the U.S. Department of Energy (DoE) and Natural Resources Canada (NRCAN) minimum energy performance requirements. This includes the following product categories: (a) top loading, compact [less than 45L (1.6 cu. ft. capacity)]; (b) top loading, standard; (c) front loading, standard; and (d) front loading, compact [less than 45L (1.6 cu. ft. capacity)].

Single copy price: Contact comm2000 for pricing and delivery options

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

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

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 Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2014)

The following is being proposed: (1) Addition of UL 60335-1 based requirements for the evaluation of electronic circuits; (2) Addition of requirements for thermoelectric refrigerators.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 1569-201X, Standard for Metal-Clad Cables (revision of ANSI/UL 1569-2014)

This re-circulation proposal provides revisions to the UL 1569 proposal dated 7-24-15.

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: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

Comment Deadline: December 29, 2015**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)*****Addenda***

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

This addendum extends BACnet/WS with RESTful services for complex data types and subscriptions, extracts data model from Annex Q into a separate common model, reworks Annex Q to be an XML syntax for the common model, adds a JSON syntax for the common model, deprecates Annex N SOAP services and adds a migration guide, and changes Clause 21 identifiers to use consistent format.

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>

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

Addenda

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

The purpose of this addendum is to add CSML Descriptions into BACnet Devices, add semantic tags to all objects, extend structured view objects to contain semantic information, change Clause 21 identifiers to use a consistent format, and add data revisioning capabilities to CSML.

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>

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

Addenda

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

The purpose of this addendum is to extend BIBBs for primitive value objects; add new BIBBs for event enrollment and subscription; amend B-AWS related BIBBs for revised event reporting; and add life safety BIBBs and device profiles, access control BIBBs and device profiles, and an all-domain advanced workstation profile.

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>

Correction

Repeated Listing

INCITS 469-201x

INCITS 469-201x Information technology - Open Virtualization Format (OVF) specification was announced for public review twice, 5/15/15 - 7/14/15 and again 8/28/15 - 10/27/15. The second public review announcement was in error. Questions: comments@itic.org.

Call for Members (ANS Consensus Bodies)

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

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

Office: 2111 Wilson Boulevard
Suite 500
Arlington, VA 22201

Contact: Daniel Abbate

Phone: (703) 600-0327

Fax: (703) 562-1942

E-mail: dabbate@ahrinet.org

BSR/AHRI Standard 540 (I-P and SI)-201x, Performance Rating of Positive Displacement Refrigerant Compressors and Compressor Units (new standard)

CEA (Consumer Electronics Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: Veronica Lancaster

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@ce.org; dwilson@ce.org

BSR/CEA 2056-201x, Physical Activity Monitoring (new standard)

BSR/CEA 2057-201x, Interoperability Standards Series for Consumer EEG Data - Local Transmission (new standard)

BSR/CEA 2058-201x, Interoperability Standards Series for Consumer EEG Data - Event Description (new standard)

BSR/CEA 2059-201x, Interoperability Standards Series for Consumer EEG Data - User State Description (new standard)

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

Office: 1350 SW Alsbury Blvd
#514
Burleson, TX 76028-9219

Contact: Bailey Squier

Phone: (817) 461-1092

Fax: (682) 224-6201

E-mail: bsquier@dmis.org

BSR/DMIS 105.3-201x Part 1, Dimensional Measuring Interface Standard (DMIS Rev. 5.3) (revision and redesignation of ANSI/DMIS 105.2-2009, Part 1)

BSR/QIF Part 3-2015, Quality Information Framework, Model Based Definition, information model and XML schema files 2.1 (revision and redesignation of ANSI/DMSC QIF Part 3-2014)

BSR/QIF Part 5-201x, Quality Information Framework - QIF-Resources information model and XML Schema files v. 2.1 (revision and redesignation of ANSI/DMSC QIF Part 5-2014)

BSR/QIF Part 8-201x, Quality Information Framework Statistics v.2.1 (revision and redesignation of ANSI/DMSC QIF Part 8-2014)

MSS (Manufacturers Standardization Society)

Office: 127 Park Street, NE
Vienna, VA 22180-4602

Contact: Robert O'Neill

Phone: (703) 281-6613

Fax: (703) 281-6671

E-mail: boneill@mss-hq.org

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

Obtain an electronic copy from: standards@mss-hq.org

TIA (Telecommunications Industry Association)

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

Contact: Teesha Jenkins

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 455-171-B-201x, Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (new standard)

Obtain an electronic copy from: TIA

BSR/TIA 470.130-C-2008 (R201x), Telecommunications - Telephone Terminal Equipment - Headset Acoustic Performance Requirements for Analog Telephones (reaffirmation of ANSI/TIA 470.130-C-2008)

Obtain an electronic copy from: TIA

BSR/TIA 470.310-D-2010 (R201x), Telecommunications - Telephone Terminal Equipment - Cordless Telephone - Range Measurement Procedures (reaffirmation of ANSI/TIA 470.310-D-2010)

Obtain an electronic copy from: TIA

BSR/TIA 568-C.2-1-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Next Generation Cabling. (addenda to ANSI/TIA-568-C.2-2009)

Obtain an electronic copy from: TIA

BSR/TIA 606-B-1-201x, Administration Standard for Commercial Telecommunications Infrastructure - Automated Infrastructure Management Systems (addenda to ANSI/TIA 606-B-2012)

Obtain an electronic copy from: TIA

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

Obtain an electronic copy from: TIA

UL (Underwriters Laboratories, Inc.)

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

Contact: *Paul Lloret*

Phone: (408) 754-6618

Fax: (408) 754-6618

E-mail: Paul.E.Lloret@ul.com

BSR/UL 1-201X, Standard for Safety for Flexible Metal Conduit (revision of ANSI/UL 1-2007 (R2012))

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

BSR/UL 1313-201X, Standard for Nonmetallic Safety Cans for Petroleum Products (revision of ANSI/UL 1313-2012)

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

Final Actions on American National Standards

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

ADA (American Dental Association)

Reaffirmation

ANSI/ADA Standard No. 102-1998 (R2015), Non-Sterile Nitrile Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 102-1998 (R2010)): 10/26/2015

ANSI/ADA Standard No. 103-2010 (R2015), Non-Sterile Poly Vinyl Chloride Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 103-2001 (R2010)): 10/26/2015

ANSI/ADA Standard No. 105-2010 (R2015), Orthodontic Elastomeric Materials (reaffirmation of ANSI/ADA Specification No. 105-2010): 10/26/2015

ANSI/ADA Standard No. 23-1982 (R2015), Dental Excavating Burs (reaffirmation of ANSI/ADA Specification No. 23-1982 (R2010)): 10/26/2015

ANSI/ADA Standard No. 38-2000 (R2015), Metal-Ceramic Dental Restorative Systems (reaffirmation of ANSI/ADA Specification No. 38-2000 (R2010)): 10/26/2015

ANSI/ADA Standard No. 48-2-2010 (R2015), LED Curing Lights (reaffirmation of ANSI/ADA Specification No. 48-2-2010): 10/26/2015

ANSI/ADA Standard No. 48-2004 (R2015), Visible Light Curing Units (reaffirmation of ANSI/ADA Specification No. 48-2004 (R2009)): 10/26/2015

ANSI/ADA Standard No. 58-2010 (R2015), Root Canal Files, Type H (Hedstrom) (reaffirmation of ANSI/ADA Specification No. 58-2010): 10/26/2015

ANSI/ADA Standard No. 69-2010 (R2015), Dental Ceramic (reaffirmation of ANSI/ADA Specification No. 69-2010): 10/26/2015

ANSI/ADA Standard No. 74-2010 (R2015), Dental Operator's Stool (reaffirmation of ANSI/ADA Specification No. 74-2010): 10/26/2015

ANSI/ADA Standard No. 76-2005 (R2015), Non-Sterile Natural Rubber Latex Gloves for Dentistry (reaffirmation of ANSI/ADA Specification No. 76-2005 (R2010)): 10/26/2015

AGMA (American Gear Manufacturers Association)

Revision

ANSI/AGMA 6014-B-2015, Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment (revision and redesignation of ANSI/AGMA 6014-A-2006 (R2012)): 10/21/2015

ANSI/AGMA 6114-B-2015, Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment - Metric Edition (revision and redesignation of ANSI/AGMA 6114-A-2006 (R2014)): 10/21/2015

AISI (American Iron and Steel Institute)

Revision

ANSI/AISI S220-2015, North American Standard for Cold-Formed Steel Framing - Nonstructural Members (revision of ANSI/AISI S220-2011): 10/21/2015

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S12.9-2005/Part 4 (R2015), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 4: Noise Assessment and Prediction of Long-Term Community Response (reaffirmation of ANSI S12.9-2005/Part 4): 10/27/2015

ANSI/ASA S12.69-2010 (R2015), Procedure for Testing Railroad Horns ex situ (reaffirmation of ANSI/ASA S12.69-2010): 10/27/2015

ASA (ASC S3) (Acoustical Society of America)

Revision

ANSI ASA S3.20-2015, Bioacoustical Terminology (revision of ANSI ASA S3.20-1995 (R2008)): 10/22/2015

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE/ISO 3776-3:2015, Tractors and machinery for agriculture - Seat belts - Part 3: Requirements for assemblies (national adoption of ISO 3776-3:2009 with modifications and revision of ANSI/ASABE AD3776-3-2012): 10/21/2015

ANSI/ASABE/ISO 12188-2-2015, Tractors and machinery for agriculture and forestry - Test procedures for positioning and guidance systems in agriculture - Part 2: Testing of satellite-based auto-guidance systems during straight and level travel (identical national adoption of ISO 12188-2:2012): 10/26/2015

New Standard

ANSI/ASABE S623-2015, Determining Landscape Plant Water Demands (new standard): 10/26/2015

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B31T-2015, Standard Toughness Requirements for Piping (revision of ANSI/ASME B31T-2010): 10/21/2015

ANSI/ASME PTC 12.1-2015, Closed Feedwater Heaters (revision of ANSI/ASME PTC 12.1-2000 (R2005)): 10/26/2015

ASNT (American Society for Nondestructive Testing)

Revision

ANSI/ASNT CP-105-2015, ASNT standard topical outlines for qualifications of nondestructive testing personnel (revision of ANSI/ASNT CP-105-2011): 10/26/2015

ASQ (ASC Z1) (American Society for Quality)

New National Adoption

ASQ/ANSI/ISO 9001:2015, Quality management systems - Requirements (identical national adoption of ISO 9001:2015): 10/21/2015

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0300212-2015, Enhanced Telecommunications Charge Card Physical Characteristics and Numbering Structure (revision of ANSI/ATIS 0300212-2010): 10/21/2015

ANSI/ATIS 0300230-2015, Telecommunications Charge Card and Billed Number Screening Validation Message Components (revision of ANSI/ATIS 0300230-2010): 10/21/2015

AWS (American Welding Society)

Revision

ANSI/AWS C2.21M/C2.21-2015, Specification for Thermal Spray Equipment Performance Verification (revision of ANSI/AWS C2.21M/C2.21-2003): 10/27/2015

NECA (National Electrical Contractors Association)

Revision

ANSI/NECA/NEMA 105-2015, Standard for Installing Metal Cable Tray Systems (revision of ANSI/NECA/NEMA 105-2007): 10/21/2015

NSF (NSF International)

Revision

- * ANSI/NSF 14-2015 (i71r1), Plastic Piping System Components and Related Materials (revision of ANSI/NSF 14-2015): 9/25/2015

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 06-2015, Composite Distortion Measurements (CSO & CTB) (revision of ANSI/SCTE 06-2009): 10/21/2015

TIA (Telecommunications Industry Association)

New Standard

- * ANSI/TIA 920.000-B-2015, Telecommunications - Communications Products - Overview of Transmission Requirements for Digital Interface Communications Devices (new standard): 10/26/2015
 - ANSI/TIA 920.110-B-2015, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Handsets (new standard): 10/22/2015
- ### ***Revision***
- ANSI/TIA 571-C-2015, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007): 10/27/2015
 - ANSI/TIA 1083-B-2015, Telecommunications - Communications Products - Handset - Magnetic Measurement Procedures and Performance Requirements (revision and redesignation of ANSI/TIA 1083-A-2010): 10/26/2015
 - ANSI/TIA 4953-A-2015, Telecommunications Communications Products - Amplified Telephone Measurement Procedures and Performance Requirements (revision and redesignation of ANSI/TIA 4953-2012): 10/26/2015

Project Initiation Notification System (PINS)

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

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

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

ASTM (ASTM International)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Contact: Corice Leonard

Fax: (610) 834-3683

E-mail: accreditation@astm.org

BSR/ASTM/ISO 55000-201x, Asset management - Overview, principles and terminology (identical national adoption of ISO 55000:2014 (E))

Stakeholders: Asset Management industry.

Project Need: This International Standard provides an overview of asset management and asset management systems (i.e., management systems for the management of assets). It also provides the context for ISO 55001 and ISO 55002.

This International Standard provides an overview of asset management, its principles and terminology, and the expected benefits from adopting asset management. This International Standard can be applied to all types of assets and by all types and sizes of organizations.

BSR/ASTM/ISO 55001-201x, Asset management - Management (identical national adoption of ISO 55001:2014(E))

Stakeholders: Asset Management industry.

Project Need: This International Standard specifies the requirements for the establishment, implementation, maintenance, and improvement of a management system for asset management, referred to as an "asset management system".

This International Standard specifies requirements for an asset management system within the context of the organization. This International Standard can be applied to all types of assets and by all types and sizes of organizations.

BSR/ASTM/ISO 55002-201x, Asset management - Management systems - Guidelines for the application of ISO 55001 (identical national adoption of ISO 55002:2014(E))

Stakeholders: Asset Management industry.

Project Need: This International Standard provides guidance for the application of a management system for asset management, referred to as an "asset management system", in accordance with the requirements of ISO 55001.

This International Standard provides guidance for the application of an asset management system in accordance with the requirements of ISO 55001.

AWS (American Welding Society)

Office: 8669 NW 36th Street
Suite #130
Miami, FL 33166-6672

Contact: Jennifer Rosario

Fax: (305) 443-5951

E-mail: jrosario@aws.org

BSR/AWS B2.1-1-027-201X, Standard Welding Procedure Specification (SWPS) for Self-Shielded (revision of ANSI/AWS B2.1 -1-027-2011)

Stakeholders: Welding industry.

Project Need: Used by welders that require a qualified welding procedure.

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1/2 inch, using self-shielded flux cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for plate and structural applications.

CEA (Consumer Electronics Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: Veronica Lancaster

Fax: (703) 907-4197

E-mail: vlancaster@ce.org; dwilson@ce.org

* BSR/CEA 2056-201x, Physical Activity Monitoring (new standard)

Stakeholders: Consumers, health and fitness device manufacturers and users.

Project Need: Create new standards.

R6.4 WG 2 will create definitions and performance standards for physical activity monitoring devices. Areas of performance could include calorie counting, step counting, or similar wearables-based physical activity monitoring.

* BSR/CEA 2057-201x, Interoperability Standards Series for Consumer EEG Data - Local Transmission (new standard)

Stakeholders: Consumers, health and fitness device manufacturers, producers, general interest.

Project Need: Create new standard.

R6.4 WG3 will create a standard to enable real-time processing and storage of collected data by synchronous transmission of multiple data streams, each potentially sampled at a different rate, on a local network. Each data stream may also have a different type (e.g., real numbers or strings) or have an irregular sampling rate (e.g., events).

* BSR/CEA 2058-201x, Interoperability Standards Series for Consumer EEG Data - Event Description (new standard)

Stakeholders: Consumers, health and fitness device manufacturers, producers, general interest.

Project Need: Create new standard.

Events capture changes in the real or virtual world that are potentially relevant to understanding the data collected from the user. User actions (e.g., pressing a button or starting to walk), changes in state (surprise, detection of targets or errors, receiving positive or negative feedback), and presentations of various stimuli (e.g., audio and visual elements in a game) can potentially induce changes in recorded EEG, heart rate, and other biosignals. The purpose of this standard is to harmonize the way that events are described, i.e., various aspects of them are represented and transmitted.

* BSR/CEA 2059-201x, Interoperability Standards Series for Consumer EEG Data - User State Description (new standard)

Stakeholders: Consumers, health and fitness device manufacturers, producers, general interest.

Project Need: Create new standard.

Estimation of User State (e.g., sleepy, alert, or surprised) is the main focus of most Brain Computer Interface (BCI) applications. The purpose of this standard is to (a) define a list of terms that are used to describe user state, clearly explaining the meaning of each term; (b) define the numerical and/or categorical value ranges associated with each term, e.g., using values between one (1) and zero (0) for "focused" user state, with the value one (1) referring to a fully focused user state.

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

Office: 1350 SW Alsbury Blvd
#514
Burleson, TX 76028-9219

Contact: *Bailey Squier*

Fax: (682) 224-6201

E-mail: bsquier@dmis.org

BSR/DMIS 105.3-201x Part 1, Dimensional Measuring Interface Standard (DMIS Rev. 5.3) (revision and redesignation of ANSI/DMIS 105.2-2009, Part 1)

Stakeholders: Every manufacturing industry that uses computer-driven inspection machines (CMMs, etc.) for Quality Assurance inspection purposes - especially all machined parts; manufacturers.

Project Need: Continuous improvement: fixes, enhancements for widely adopted inspection interface standard, links to new QIF standard required.

The DMIS standard provides for the bi-directional communication of inspection data between computer systems and inspection equipment. DMIS provides the vocabulary to pass inspection programs to measuring equipment and to pass measurement and process data back to an analysis, collection, or archiving system. DMIS defines a neutral format for data exchange, and is designed to be man readable and man writable.

BSR/QIF Part 3-2015, Quality Information Framework, Model Based Definition, information model and XML schema files 2.1 (revision and redesignation of ANSI/DMSC QIF Part 3-2014)

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

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

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

BSR/QIF Part 5-201x, Quality Information Framework - QIF-Resources information model and XML Schema files v. 2.1 (revision and redesignation of ANSI/DMSC QIF Part 5-2014)

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

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

QIF Part 5 version 2.1 improves on 2.0 in two main areas: enhancement to the CMM model, and the addition of various new measurement technologies. The CMM model is now both easier to understand and able to contain more pertinent information. Many new measurement technologies were added, including new measurement devices like theodolite, computed tomography, profile projector, laser tracker, etc. New sensors were added, including LVDT, confocal chromatic, structured light, CCD camera, etc.

BSR/QIF Part 8-201x, Quality Information Framework Statistics v.2.1 (revision and redesignation of ANSI/DMSC QIF Part 8-2014)

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

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

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

EOS/ESD (ESD Association, Inc.)

Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440

Contact: *Christina Earl*

Fax: (315) 339-6793

E-mail: cearl@esda.org

BSR/ESD S20.20-201x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2014)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: The purpose of this standard is to provide administrative and technical requirements for establishing, implementing, and maintaining an ESD Control Program (referred to as the "Program").

This document applies to activities that manufacture, process, assemble, install, package, label, service, test, inspect, transport, or otherwise handle electrical or electronic parts, assemblies and equipment susceptible to damage by electrostatic discharges greater than or equal to 100 volts HBM, 200 volts CDM, and 35 volts on isolated conductors. This document does not apply to electrically initiated explosive devices, flammable liquids, or powders.

IIAR (International Institute of Ammonia Refrigeration)

Office: 1001 North Fairfax Street
Alexandria, VA 22314

Contact: *Tony Lundell*

Fax: (703) 312-0065

E-mail: tony_lundell@iiar.org

BSR/IIAR C2-201x, Safety Standard for Closed-Circuit CO2 Refrigeration Systems and Heat Pumps (new standard)

Stakeholders: End users, designers, contractors, and manufacturers of CO2 refrigeration systems and heat pumps.

Project Need: End users, designers, contractors, and manufacturers who design, construct, install, commission, and operate stationary closed-circuit CO2 refrigeration systems and heat pumps need defined minimum safe requirements. This standard will provide the minimum safe requirements for systems and heat pumps that utilize CO2 as the low-temperature refrigerant within a cascade system, as a volatile brine, and that operate part- or full-time with a transcritical cycle.

To provide the minimum requirements for the safe design, construction, installation, commissioning, and operation of stationary closed-circuit CO2 refrigeration systems and heat pumps.

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

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

Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: comments@itic.org

BSR/INCITS 547-201x, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)

Stakeholders: ICT industry.

Project Need: To provide additional operational and management functions that need to be defined to allow more flexible and interoperable Fibre Channel Switch Fabric deployment.

This project recommends the development of a set of technical additions and clarifications to INCITS 511, Fibre Channel - Switch Fabric - 6 (FC-SW-6).

BSR/INCITS 548-201x, Information technology - Fibre Channel - Generic Services - 8 (FC-GS-8) (new standard)

Stakeholders: ICT industry.

Project Need: This project recommends the development of a set of additional and enhanced services that will be used to support the management and control of Fibre Channel configurations.

The FC-GS-8 project will continue extending the Fabric services to address new developments in Fibre Channel. Examples are updated port models to support virtualization, FC-NVMe environments, and new speeds and operational characteristics associated with Fibre Channel. The topology and discovery services will be updated to include new Fibre Channel entities and their connectivity options.

PMI (Project Management Institute)

Office: 14 Campus Blvd
Newtown Square, PA 19073-3299

Contact: *Lorna Scheel*

Fax: (610) 356-4647

E-mail: lorna.scheel@pmi.org

BSR/PMI 201x-00X-20XX, The Standard for Business Analysis (new standard)

Stakeholders: Executives, program/project managers, members of PMOs, business analysts, and other job titles performing business analysis; members of a BA COE; functional managers with employees assigned to project teams; educators teaching PM/BA-related subjects; or anyone who wants the knowledge and skills needed to standardize, integrate, and/or improve their BA practices to drive project, program, and portfolio success and better business outcomes.

Project Need: PMI's qualitative research on Business Analysis suggests that organizations are working to build more formal requirements practices within their organizations and are integrating those practices with their project management practices. Through the incorporation of more standardized processes and practices, many of these organizations are seeing an institutionalization of business analysis. As such, a full consensus, BA standard will serve to raise the competency of practitioners and organizations.

The Business Analysis standard developed by PMI will be a basic reference and the global standard for the business analysis profession. The guide will identify and describe the subset of the body of knowledge for business analysis that is recognized as good practice. The guide is planned to help practitioners and organizations to mature their practices, drive continuous improvement and to integrate these practices with existing project management practices. Those interested in participating in the development of this Standard, please contact Lorna Scheel.

TIA (Telecommunications Industry Association)

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

Contact: *Germaine Palangdao*

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 942-B-201x, Telecommunications - Infrastructure Standard for Data Centers (revision and redesignation of ANSI/TIA 942-A -2012)

Stakeholders: Telecom, data center owners and designers.

Project Need: Provide updates for an existing standard.

This Standard specifies the minimum requirements for telecommunications infrastructure of data centers and computer rooms, including single-tenant enterprise data centers and multi-tenant Internet hosting data centers. The topology specified in this document is intended to be applicable to any size data center.

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
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Arlington, VA 22201

Contact: *Marianna Kramarikova*

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BSR/TIA 470.210-F-201x, Telecommunications - Telephone Terminal Equipment - Resistance and Impedance Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.210-E-2013)

Stakeholders: Manufacturers, specifiers, and users of digital telephones and other communications devices providing voice transmission, regardless of protocol or digital format. Specifiers may include retail equipment buyers, enterprise and government procurement officers, etc.

Project Need: Provide updates for an existing standard.

Project to revise ANSI/TIA 470.210-E to remove impedance requirements related to B-Type ringing.

BSR/TIA 470.220-E-201x, Telecommunications - Telephone Terminal Equipment - Alert Acoustic Output Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.220-D-2014)

Stakeholders: Manufacturers, specifiers, and users of digital telephones and other communications devices providing voice transmission, regardless of protocol or digital format. Specifiers may include retail equipment buyers, enterprise and government procurement officers, etc.

Project Need: Provide updates for an existing standard.

This project is a result of discussion during the May meeting about the fact that the ATIS removed reference to anything other than 20 Hz ringing in the 2000 revision of its ANSI T1.401 network interface standard (now ATIS-0600401.2006). A liaison request to ACTA (see TR41-15-05-007-L) for guidance on this matter was forward to the ATIS Copper/Optical Access, Synchronization, and Transport Committee (COAST) and resulted in a reply indicating that 20 Hz ringing is all that needs to be supported (see TR41-15-05-008-L).

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: *Susan Malohn*

Fax: (847) 407-1725

E-mail: Susan.P.Malohn@ul.com

BSR/UL 3001-201x, Standard for Safety of Distributed Energy Generation and Storage Systems (new standard)

Stakeholders: Producers of distributed energy sources such as fuel cells, wind turbines, photovoltaic equipment, energy storage equipment etc., producers of grid interconnection equipment; research and development laboratories, electrical inspection authorities, electric utilities, building officials, and other interested parties.

Project Need: ANSI approval of a new UL standard.

Distributed energy resource systems that may be comprised of distributed energy sources such as PV arrays or wind turbines in homogenous or hybrid configurations, energy storage systems, grid interface equipment and related equipment to accomplish functionality of the distributed energy system. This covers the safety of system design, integration, and operation, and the performance as it relates to grid operability interface with premises wiring systems, and performance of the equipment in the various modes of system operation.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

ADA (Organization)

American Dental Association
211 E. Chicago Ave
Chicago, IL 60611
Phone: (312) 440-2533
Fax: (312) 440-2529
Web: www.ada.org

AGMA

American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314-1587
Phone: (703) 684-0211
Web: www.agma.org

AHRI

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

AISI

American Iron and Steel Institute
25 Massachusetts Avenue, NW
Suite 800
Washington, DC 20001
Phone: (202) 452-7100
Fax: (202) 452-1039
Web: www.steel.org

AMCA

AMCA International, Inc.
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 394-0150
Fax: (847) 253-0088
Web: www.amca.org

ASA (ASC S12)

Acoustical Society of America
1305 Walt Whitman Rd
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 923-2875
Web: www.acousticalsociety.org

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

ASHRAE

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

ASME

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

ASNT

American Society for Nondestructive Testing
1711 Arlingate Lane
P.O. Box 28518
Columbus, OH 43228-0518
Phone: (800) 222-2768 ext 241
Fax: (614) 274-6899
Web: www.asnt.org

ASQ (ASC Z1)

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

ASTM

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

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

AWS

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

AWWA

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

CEA

Consumer Electronics Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Fax: (703) 907-4197
Web: www.cea.org

CRRC

Cool Roof Rating Council
449 15th Street
Suite 400
Oakland, CA 94612
Phone: (866) 464-2523
Web: www.coolroofs.org

DMSC, Inc.

Dimensional Metrology Standards Consortium, Inc.
1350 SW Alsbury Blvd
#514
Burleson, TX 76028-9219
Phone: (817) 461-1092
Fax: (682) 224-6201
Web: www.dmsi.org

EOS/ESD

ESD Association
7900 Turin Rd., Bldg. 3
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IIAR

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ITI (INCITS)

InterNational Committee for Information Technology Standards
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Fax: 202-638-4922
Web: www.incits.org

MSS

Manufacturers Standardization Society
127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Fax: (703) 281-6671
Web: www.mss-hq.org

NECA

National Electrical Contractors Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Fax: (301) 215-4500
Web: www.neca-neis.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

PMI (Organization)

Project Management Institute
14 Campus Blvd
Newtown Square, PA 19073-3299
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Web: www.pmi.org

SCTE

Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341-1318
Phone: (480) 252-2330
Fax: (610) 363-5898
Web: www.scte.org

TCNA (ASC A108)

Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453
Fax: (864) 646-2821
Web: www.tileusa.com

TIA

Telecommunications Industry Association
1320 North Courthouse Road
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Arlington, VA 22201
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Web: www.tiaonline.org

UL

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Fax: (847) 407-1725
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 18406, Underwater acoustics - Measurement of underwater radiated sound from percussive pile driving - 11/23/2015, \$98.00

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

ISO/DIS 23551-10, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 10: Vent valves - 11/23/2015, \$71.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 18829, Document management - Assessing ECM/EDRM Implementations - Trustworthiness - 11/23/2015, \$46.00

FIRE SAFETY (TC 92)

ISO/DIS 24678, Fire safety engineering - Requirements governing algebraic formulas - Flashover Related Phenomena - 1/23/2016, \$71.00

FOOTWEAR (TC 216)

ISO/DIS 18454, Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear - 2/28/2016, \$29.00

ISO/DIS 18896, Footwear - Test methods for shanks - Longitudinal stiffness - 2/28/2016, \$33.00

ISO/DIS 20866, Footwear - Test methods for insoles - Delamination resistance - 2/28/2016, \$33.00

ISO/DIS 20867, Footwear - Test methods for insoles - Heel pin holding strength - 2/28/2016, \$33.00

ISO/DIS 20870, Footwear - Ageing conditioning - 2/28/2016, \$33.00

ISO/DIS 20871, Footwear - Test methods for outsoles - Abrasion resistance - 2/28/2016, \$40.00

ISO/DIS 20872, Footwear - Test methods for outsoles - Tear strength - 2/28/2016, \$40.00

ISO/DIS 20873, Footwear - Test methods for outsoles - Dimensional stability - 2/28/2016, \$33.00

ISO/DIS 20874, Footwear - Test methods for outsoles - Needle tear strength - 2/28/2016, \$40.00

ISO/DIS 20875, Footwear - Test methods for outsoles - Determination of split tear strength and delamination resistance - 2/28/2016, \$40.00

ISO/DIS 20876, Footwear - Test methods for insoles - Resistance to stitch tear - 2/28/2016, \$40.00

ISO/DIS 22650, Footwear - Test methods for whole shoe - Heel attachment - 2/28/2016, \$46.00

GAS CYLINDERS (TC 58)

ISO 10297/DAMd1, Gas cylinders - Cylinder valves - Specification and type testing - Amendment 1: Pressure drums and tubes - 2/28/2016, \$29.00

ISO 14246/DAMd1, Gas cylinders - Cylinder valves - Manufacturing tests and examinations - Amendment 1 - 2/28/2016, \$33.00

ISO/DIS 15996, Gas cylinders - Residual pressure valves - General requirements and type testing - 12/27/2028, \$82.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 18192-3, Implants for surgery - Wear of total intervertebral spinal disc prostheses - Part 3: Loading and displacement parameters for impingement-wear testing and corresponding environmental conditions for test of lumbar prostheses under adverse kinematic conditions - 1/23/2016, \$62.00

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

ISO/DIS 20088-1, Determination of the resistance to cryogenic spillage of insulation materials - Part 1: Liquid phase - 11/23/2015, \$82.00

MINING (TC 82)

ISO/DIS 19224, Continuous surface miner (CSM) - Safety - 1/23/2016, \$67.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 7195, Nuclear energy - Packagings for the transport of uranium hexafluoride (UF₆) - 11/23/2015, \$107.00

ISO/DIS 18417, Iodine charcoal sorbents for nuclear facilities - Method for defining sorption capacity index - 1/23/2016, \$77.00

OTHER

ISO/DGuide 35, Reference materials - Guidance for the characterization and the assessment of the homogeneity and stability of the material - 2/1/2016, \$88.00

ISO/DIS 17034, General requirements for the competence of reference material producers - 11/23/2015, \$88.00

PACKAGING (TC 122)

ISO/DIS 19709-1, Transport packaging - Small load container systems - Part 1: Common requirements and test methods - 1/23/2016, \$71.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 22610, Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment - Test method to determine the resistance to wet bacterial penetration - 11/23/2015, \$67.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 91, Petroleum and related products - Temperature and pressure volume correction factors (petroleum measurement tables) and standard reference conditions - Part: Tables based on reference temperatures of 15 degrees C and 60 degrees F - 11/23/2015, \$77.00

ROAD VEHICLES (TC 22)

ISO/DIS 15008, Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation - 2/22/2016, \$93.00

ISO/DIS 14230-2, Road vehicles - Diagnostic communication over K-Line (DoK-Line) - Part 2: Data link layer - 11/23/2015, \$125.00

SMALL CRAFT (TC 188)

ISO/DIS 8099, Small craft - Toilet waste retention systems - 11/23/2015, \$46.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 19202-1, Summer toboggan runs - Part 1: Safety requirements and test methods - 11/23/2015, \$119.00

ISO/DIS 19202-2, Summer toboggan runs - Part 2: Safety requirements for operation - 11/23/2015, \$107.00

ISO/DIS 23537-1, Requirements for sleeping bags - Part 1: Thermal and dimensional requirements - 11/23/2015, \$82.00

ISO/DIS 23537-2, Requirements for sleeping bags - Part 2: Fabric and material properties - 11/23/2015, \$46.00

TEXTILES (TC 38)

ISO/DIS 16847, Textiles - Test method for assessing the matting appearance of napped fabrics after cleansing - 2/4/2016, \$40.00

TIMBER (TC 218)

ISO/DIS 13061-11, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 11: Determination of resistance to impact indentation - 11/23/2015, \$46.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 19465, Traditional Chinese Medicine - Categories of TCM Clinical Terminological System - 11/23/2015, \$53.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 15638-18, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight Vehicles (TARV) - Part 18: ADR (Dangerous Goods) - 1/23/2016, \$125.00

VALVES (TC 153)

ISO/DIS 6553, Automatic steam traps - Marking - 11/23/2015, \$33.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 3580, Welding consumables - Covered electrodes for manual metal arc welding of creep resisting steels - 11/8/2006, \$88.00

ISO/DIS 20168, Resistance welding - Locking tapers for electrode holders and electrode caps - 2/4/2016, \$33.00

WOOD-BASED PANELS (TC 89)

ISO 2074/DAMd1, Plywood - Vocabulary - Amendment 1 - 1/23/2016, \$29.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18477-8, Information technology - Scalable Compression and Coding of Continuous-Tone Still Images - Part 8: Lossless and Near-lossless Coding - 11/23/2015, \$119.00

ISO/IEC DIS 18477-9, Information technology - Scalable Compression and Coding of Continuous-Tone Still Images - Part 9: Alpha Channel Coding - 11/23/2015, \$71.00

ISO/IEC DIS 29110-3-3, Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-3: Certification requirements for process capability - 11/23/2015, \$77.00

IEC Standards

2/1798/CDV, IEC 60034-18-42 Ed.1: Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests, 01/29/2016

3/1250/CD, IEC 60445 Ed. 6.0: Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors, 01/29/2016

3D/259/DC, IEC Common Data Dictionary (IEC CDD): C00053 Update of AAF599 life cycle types, 12/18/2015

20/1602/NP, Conductors of insulated cables - Standard for AWG and kcmil sizes, 01/29/2016

23H/339/DC, Improved testing method for IEC 62196 accessories of SC 23H: Plugs, socket-outlets, vehicle connectors and vehicle inlets for conductive charging of electric vehicles, 12/04/2015

26/578/CDV, IEC 60974-1 Ed.5: Arc welding equipment - Part 1: Welding power sources, 01/29/2016

34A/1874/DTS, IEC/TS 62972 Ed.1: General lighting - Organic light emitting diode (OLED) products and related equipment - Terms and definitions, 01/29/2016

34A/1876/NP, PNW 34A-1876: Self ballasted double capped tubular LED lamp connected to AC nominal voltage - Safety requirements, 01/29/2016

40/2420/FDIS, IEC 60384-1 Ed.5: Fixed capacitors for use in electronic equipment - Part 1: Generic specification, 12/25/2015

40/2421/FDIS, IEC 60384-14-1 Ed.3: Fixed capacitors for use in electronic equipment - Part 14-1: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Assessment level DZ, 12/25/2015

- 45A/1054/FDIS, IEC/IEEE 62582-2 A1 Ed.1: Amendment 1 to IEC/IEEE 62582-2 Ed.1: Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 2: Indenter modulus, 12/25/2015
- 45A/1056/NP, Nuclear power plants - Electrical systems - General requirements, 01/29/2016
- 45B/825/FDIS, IEC 61017 Ed.1: Radiation protection instrumentation - Transportable, mobile or installed equipment to measure photon radiation for environmental monitoring, 12/25/2015
- 46F/326/CDV, IEC 61169-54 Ed.1: Radio-frequency connectors - Part 54: Sectional specification for coaxial connectors with 10mm inner diameter of outer conductor nominal characteristic impedance 50 Ohms, Series 4.3-10r, 01/29/2016
- 48B/2462/CD, IEC 61076-2-111/Ed1: Connectors for electronic equipment - Product requirements - Part 2-111: Circular connectors - Detail specification for power connectors with M12 screw-locking, 01/29/2016
- 57/1618/CDV, IEC 62325-351 Ed.2: Framework for energy market communications - Part 351: CIM European market model exchange profile, 01/29/2016
- 57/1634/DC, Proposed revision of IEC 62325-451-1 Edition 1: Framework for energy market communications - Part 451-1: Acknowledgement business process and contextual model for CIM European market, 12/25/2015
- 57/1635/DC, Proposed amendment to IEC 62325-451-3 Edition 1: Framework for energy market communications - Part 451-3: Transmission capacity allocation business process (explicit or implicit auction) and contextual models for European market, 12/25/2015
- 57/1637/DTR, IEC 62351-12 TR Ed.1: Power systems management and associated information exchange - Data and communications security - Part 12: Resilience and security recommendations for power systems with Distributed Energy Resources (DER) cyber-physical systems, 12/25/2015
- 65C/831/CD, IEC 61158-x-25 Ed. 1.0: Industrial communication networks - Fieldbus specifications and Profiles - Type 25 elements and CPF 20 (ADS-net), 01/29/2016
- 65C/832/CD, IEC 61158-x-26 Ed. 1.0: Industrial communication networks - Fieldbus specifications and Profiles - Type 26 elements and CPF 21 (FL-net), 01/29/2016
- 69/390A/CD, IEC 61851-3-1 TS Ed.1: Electric Vehicles Conductive Power Supply System - Part 3-1: General Requirements for light electric vehicles a.c. and d.c. conductive power supply systems, 01/08/2016
- 69/391A/CD, IEC 61851-3-2 TS Ed.1: Electric Vehicles Conductive Power Supply System - Part 3-2: Particular requirements for light electric vehicles - DC conductive power supply equipment, 01/08/2016
- 76/533/CDV, IEC 60825-12: Safety of free space optical communication systems used for transmission of information, 01/29/2016
- 82/1018/CDV, IEC 62817 A1 Ed.1: Amendment 1 to IEC 62817 Ed.1: Photovoltaic systems - Design qualification of solar trackers, 01/29/2016
- 82/1043/CD, IEC 61724-2 Ed.1: Photovoltaic system performance - Part 2: Capacity evaluation method, 01/29/2016
- 82/1044/NP, Photovoltaic devices - Part 1-2: Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices (proposed IEC 60904-1-2 TS), 01/29/2016
- 89/1284F/CDV, IEC 60695-8-2/Ed1: Fire hazard testing - Part 8-2: Heat release - Summary and relevance of test methods, 12/18/2015
- 90/359/FDIS, IEC 61788-4: Superconductivity - Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti and Nb3Sn composite superconductors, 12/25/2015
- 91/1314/FDIS, IEC 61671-2 Ed.1: IEEE Standard for Automatic Test Markup Language (ATML) Instrument Description (IEEE 1671.2-2012), 12/25/2015
- 91/1315/FDIS, IEC 61671-4 Ed.1: IEEE Standard for Automatic Test Markup Language (ATML) Test Configuration (IEEE 1671.4-2014), 12/25/2015
- 91/1316/FDIS, IEC 61671-5 Ed.1: IEEE Standard for Automatic Test Markup Language (ATML) Test Adapter Description (IEEE 1671.5-2015), 12/25/2015
- 91/1317/FDIS, IEC 61671-6 Ed.1: IEEE Standard for Automatic Test Markup Language (ATML) Test Station Description (IEEE 1671.6-2015), 12/25/2015
- 108/623/DC, Proposal for revision to IEC 62368-1, 2nd Edition, Audio/video, information and communication technology equipment - Part 1: Safety requirements, 04/15/2016
- 113/286A/NP, IEC TS 62607-2-4: Nanomanufacturing - Key control characteristics - Part 2-4: Carbon nanotube materials - Accuracy and repeatability of test methods for determination of resistance of individual carbon nanotubes, 01/22/2016
- 116/248/CDV, IEC 62841-2-17 Ed. 1.0: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-17: Particular requirements for hand-held routers, 01/29/2016
- 116/250/CDV, IEC 62841-2-21/Ed1: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-21: Particular requirements for hand-held drain cleaners, 01/29/2016



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 13066-4:2015](#), Information technology - Interoperability with assistive technology (AT) - Part 4: Linux/UNIX graphical environments accessibility API, \$149.00

[ISO/IEC TR 11801-9903:2015](#), Information technology - Generic cabling systems for customer premises - Part 9903: Matrix modelling of channels and links, \$149.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 16682:2015](#), Aerospace series - Terminology for clamping devices, \$51.00

[ISO 17689:2015](#), Space systems - Interface control documents between ground systems, ground support equipment and launch vehicle with payload, \$123.00

HYDROMETRIC DETERMINATIONS (TC 113)

[ISO 26906:2015](#), Hydrometry - Fishpasses at flow measurement structures, \$200.00

INDUSTRIAL TRUCKS (TC 110)

[ISO 11525-2:2015](#), Rough-terrain trucks - User requirements - Part 2: Slewing variable-reach trucks, \$123.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO 30302:2015](#), Information and documentation - Management systems for records - Guidelines for implementation, \$173.00

REFRIGERATION (TC 86)

[ISO 23953-2:2015](#), Refrigerated display cabinets - Part 2: Classification, requirements and test conditions, \$265.00

ROAD VEHICLES (TC 22)

[ISO 17409:2015](#), Electrically propelled road vehicles - Connection to an external electric power supply - Safety requirements, \$149.00

[ISO 7637-1:2015](#), Road vehicles - Electrical disturbances from conduction and coupling - Part 1: Definitions and general considerations, \$88.00

[ISO 15500-15:2015](#), Road vehicles - Compressed natural gas (CNG) fuel system components - Part 15: Gas-tight housing and ventilation hose, \$51.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 18471:2015](#), Agricultural irrigation equipment - Filters - Verification of filtration grade, \$88.00

[ISO 13460-1:2015](#), Agricultural irrigation equipment - Plastics saddles - Part 1: Polyethylene pressure pipes, \$88.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 14817-1:2015](#), Intelligent transport systems - ITS central data dictionaries - Part 1: Requirements for ITS data definitions, \$240.00

[ISO 14817-2:2015](#), Intelligent transport systems - ITS central data dictionaries - Part 2: Governance of the Central ITS Data Concept Registry, \$149.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 9018:2015](#), Destructive tests on welds in metallic materials - Tensile test on cruciform and lapped joints, \$88.00

[ISO 17641-2:2015](#), Destructive tests on welds in metallic materials - Hot cracking tests for weldments - Arc welding processes - Part 2: Self-restraint tests, \$123.00

ISO Technical Reports

IRON ORES (TC 102)

[ISO/TR 16043:2015](#), Iron ores - Determination of chlorine content - X-ray fluorescence spectrometric method, \$123.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TR 17427-2:2015](#), Intelligent transport systems - Cooperative ITS - Part 2: Framework overview, \$173.00

[ISO/TR 17427-3:2015](#), Intelligent transport systems - Cooperative ITS - Part 3: Concept of operations (ConOps) for core systems, \$265.00

[ISO/TR 17427-4:2015](#), Intelligent transport systems - Cooperative ITS - Part 4: Minimum system requirements and behaviour for core systems, \$200.00

[ISO/TR 17427-6:2015](#), Intelligent transport systems - Cooperative ITS - Part 6: Core system risk assessment methodology, \$149.00

[ISO/TR 17427-7:2015](#), Intelligent transport systems - Cooperative ITS - Part 7: Privacy aspects, \$149.00

[ISO/TR 17427-8:2015](#), Intelligent transport systems - Cooperative ITS - Part 8: Liability aspects, \$149.00

[ISO/TR 17427-9:2015](#), Intelligent transport systems - Cooperative ITS - Part 9: Compliance and enforcement aspects, \$123.00

[ISO/TR 24097-2:2015](#), Intelligent transport systems - Using web services (machine-machine delivery) for ITS service delivery - Part 2: Elaboration of interoperable web services interfaces, \$149.00

[ISO/TR 17427-10:2015](#), Intelligent transport systems - Cooperative ITS - Part 10: Driver distraction and information display, \$149.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 25024:2015](#), Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Measurement of data quality, \$200.00

[ISO/IEC 30129:2015](#), Information technology - Telecommunications bonding networks for buildings and other structures, \$200.00

[ISO/IEC 19776-3:2015](#), Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) encodings - Part 3: Compressed binary encoding, \$51.00

[ISO/IEC 19778-1:2015](#), Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 1: Collaborative workplace data model, \$173.00

[ISO/IEC 19778-2:2015](#), Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 2: Collaborative environment data model, \$149.00

[ISO/IEC 19778-3:2015](#), Information technology - Learning, education and training - Collaborative technology - Collaborative workplace - Part 3: Collaborative group data model, \$123.00

[ISO/IEC 19780-1:2015](#), Information technology - Learning, education and training - Collaborative technology - Collaborative learning communication - Part 1: Text-based communication, \$123.00

[ISO/IEC 21320-1:2015](#), Information technology - Document Container File - Part 1: Core, \$88.00

[ISO/IEC 18000-63:2015](#), Information technology - Radio frequency identification for item management - Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C, \$265.00

[ISO/IEC 29167-14:2015](#), Information technology - Automatic identification and data capture techniques - Part 14: Crypto suite AES OFB security services for air interface communications, \$173.00

IEC Standards

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

[IEC 62391-1 Ed. 2.0 en:2015](#), Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification, \$303.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60929 Ed. 4.1 b:2015](#), AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements, \$605.00

[IEC 60929 Amd.1 Ed. 4.0 b:2015](#), Amendment 1 - AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements, \$230.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

[IEC 60424-3 Ed. 2.0 b:2015](#), Ferrite cores - Guidelines on the limits of surface irregularities - Part 3: ETD-cores, EER-cores, EC-cores and E-cores, \$73.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC 61829 Ed. 2.0 b:2015](#), Photovoltaic (PV) array - On-site measurement of current-voltage characteristics, \$97.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

[IEC/IEEE 62271-37-013 Ed. 1.0 en:2015](#), High-voltage switchgear and controlgear - Part 37-013: Alternating-current generator circuit-breakers, \$411.00

WINDING WIRES (TC 55)

[IEC 60317-0-4 Ed. 3.0 b:2015](#), Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, \$182.00

[IEC 60317-31 Ed. 2.0 en:2015](#), Specifications for particular types of winding wires - Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180, \$43.00

[IEC 60317-32 Ed. 2.0 en:2015](#), Specifications for particular types of winding wires - Part 32: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155, \$43.00

[IEC 60317-33 Ed. 2.0 en:2015](#), Specifications for particular types of winding wires - Part 33: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, \$43.00

IEC Technical Reports

NUCLEAR INSTRUMENTATION (TC 45)

[IEC/TR 62971 Ed. 1.0 en:2015](#), Radiation instrumentation - Radiation sources used in illicit trafficking detection standards - Guidance and recommendations, \$61.00

IEC Technical Specifications

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 62910 Ed. 1.0 en:2015](#), Utility-interconnected photovoltaic inverters - Test procedure for low voltage ride-through measurements, \$206.00

[IEC/TS 62257-12-1 Ed. 2.0 en:2015](#), Recommendations for renewable energy and hybrid systems for rural electrification - Part 12-1: Selection of lamps and lighting appliances for off-grid electricity systems, \$363.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC A10 – Safety Requirements for Construction and Demolition Operations

On behalf of ANSI's Executive Standards Council, the reaccreditation of Accredited Standards Committee A10, Safety Requirements for Construction and Demolition Operations under revised operating procedures for documenting consensus on ASC A10-sponsored American National Standards has been approved effective October 28, 2015. For additional information, please contact the Secretariat of ASC A10: Mr. Timothy R. Fisher, CSP, CHMM, ARM, CPEA, CAE, Director, Practices and Standards, American Society of Safety Engineers, 520 N. Northwest Highway, Park Ridge, IL 60068; phone: 847.768.3411; e-mail: TFisher@ASSE.org.

ASC A117 – Architectural Features and Site Design of Public Buildings and Residential Structures for Persons with Disabilities

On behalf of ANSI's Executive Standards Council, the reaccreditation of Accredited Standards Committee A117, Architectural Features and Site Design of Public Buildings and Residential Structures for Persons with Disabilities under revised operating procedures for documenting consensus on ASC A117-sponsored American National Standards has been approved effective October 27, 2015. For additional information, please contact the Secretariat of ASC A117: Mr. Edward Wirtschoreck, Manager of Standards, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795; phone: 708.799.2300; e-mail: ewirtschoreck@iccsafe.org.

American Society of Safety Engineers

ANSI's Executive Standards Council has approved the reaccrreditation of the American Society of Safety Engineers under its recently revised operating procedures for documenting consensus on ASSE-sponsored American National Standards (and including the reorganization of the following currently sponsored ASCs – A1264, Safety Standards for Floor and Wall Openings, Railings, and Toe boards and Fixed General Industrial Stairs; Z9, Health and Safety Standards for Ventilation Systems; Z10, Occupational Health and Safety Systems; Z15, Safety Requirements for Motor Vehicle Fleets; Z88, Respiratory Protection; Z117, Confined Space; Z244, Lockout Protection; Z359, Fall Protection and Z490, Criteria for Best Practices in Safety, Health and Environmental Training – under ASSE's organizational structure), effective October 28, 2015. For additional information, please contact: Mr. Timothy R. Fisher, CSP, CHMM, ARM, CPEA, CAE, Director, Practices and Standards, American Society of Safety Engineers, 520 N. Northwest Highway, Park Ridge, IL 60068; phone: 847.768.3411; e-mail: TFisher@ASSE.org.

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

ANSI/API 521-2006 and Addendum May 2008

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS: ANSI/API 521-2006, Pressure-Relieving and Depressuring Systems / Petroleum and Natural Gas Industries – Pressure-Relieving and Depressuring Systems, ADDENDUM, MAY 2008, superseded by the sixth edition of API Standard 521, published in January 2014. Questions may be directed to: Stephen Crimando, (202) 682-8151, crimandos@api.org.

Projects Withdrawn from Consideration

ABYC Cancellation of Previously Published PINS & BSR-8s

The following proposed project announcements are cancelled at the request of ABYC. Please review Standards Action for new activity related to these documents going forward. Questions?: Brian Goodwin (bgoodwin@abycinc.org).

- H-25, Portable Gasoline Fuel Systems
- C-1, Primer Bulbs
- C-2, Carbon Canisters
- H-03, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials
- H-40, Anchoring, Mooring, and Lifting
- H-41, Reboarding Means, Ladders, Handholds, Rails and Lifelines
- H-31, Seat Structures
- S-31, Environmental Considerations for Electric/Electronic components Installed Onboard Boats
- A-23, Sound Signal Appliances
- A-06, Refrigeration and Air Conditioning Equipment
- A-07, Liquid and Solid Fueled Boat Heating Systems

ANSI Accreditation Program for Third Party Product Certification Agencies

Initial Application

AgroManagement

Comment Deadline: November 30, 2015

Inge Jochumsen
AgroManagement
Osterbro 4, Tommerup
DK 5690, Denmark
Web: <http://www.agfocert.com>
E-mail: ibj@agromanagement.dk

AgroManagement has submitted a formal application for accreditation by ANSI for the following scopes:

- GlobalG.A.P. General Regulations: Chain of Custody (COC)
- GlobalG.A.P. General Regulations: Compound Feed Manufacturing (CFM)
- GlobalG.A.P. General Regulations Integrated Farm Assurance: Option 2 – Producer Group Certification
- Aquaculture Base: Crustaceans
- Aquaculture Base: Finfish
- Aquaculture Base: Molluscs
- Aquaculture Base: Others
- Crops Base: Combinable Crop
- Crops Base: Flowers & Ornamentals
- Crops Base: Fruit & Vegetables
- GlobalG.A.P. General Regulations Integrated Farm Assurance: Option 1 – Individual Producer Certification
- Aquaculture Base: Crustaceans
- Aquaculture Base: Finfish
- Aquaculture Base: Molluscs
- Aquaculture Base: Others
- Crops Base: Combinable Crops
- Crops Base: Flowers & Ornamentals
- Crops Base: Fruit & Vegetables

Please send your comments by November 30, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigureir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

New Work Item Proposal

Consumer warranties and guarantees

Comment Deadline: December 4, 2015

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

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

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

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

Meeting Notices

AHRI Standards

Development of AHRI Standard 1410, Commercial Finned Tube Radiation Performance Rating Standard

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on November 10 from 2 p.m. to 3 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Anuj Mistry at amistry@ahrinet.org.

ANSI/ASSE Z359 Committee for Fall Protection and Fall Arrest

The ANSI/ASSE Z359 Committee for Fall Protection and Fall Arrest will be meeting at the University of Colorado at Boulder from March 20 – 22, 2016. The meeting schedule will be provided prior to the meeting and upon request to ASSE. If you should have any questions about attendance, please contact Tim Fisher with ASSE (847/768-3411, TFisher@ASSE.Org) on behalf of the secretariat.

Information Concerning

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Halal

Comment Deadline: December 11, 2015

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

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

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

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

Excluded:

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

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

Public Review Draft

Proposed Addendum j to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

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

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

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



(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum clarifies the exceptions contained under Prohibited Development Activity provisions for fish/wildlife habitat conservation areas and wetlands. The current language allows for any type of planting to be used which was not the intent. The authors intended to provide an exception for plantings that provide for habitat enhancement or the restoration of ecological functions of the area.

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

Addendum j to 189.1-2014

Revise Section 5.3.1.2 as follows:

5.3.1.2 Prohibited Development Activity. There shall be no *site* disturbance or development of the following:

- a. Previously undeveloped land having an elevation lower than 5 ft (1.5 m) above the elevation of the 100-year flood, as defined by USFEMA.

Exceptions to 5.3.1.2(a):

1. Development of *low-impact trails* shall be allowed anywhere within a flood zone.
 2. Development of building structures shall be allowed in alluvial “AO” designated flood zones, provided that such structures include engineered floodproofing up to an elevation that is at least as high as the minimum lowest floor elevation determined by the *authority having jurisdiction (AHJ)*, and provided that the *site* includes drainage paths constructed to guide floodwaters around and away from the structures.
- b. Land within 150 ft (50 m) of any *fish and wildlife habitat conservation area*.

Exceptions to 5.3.1.2(b):

1. Development of *low-impact trails* shall be allowed, provided that such trails are located at least 15 ft (4.5 m) from the area.
 2. *Site* disturbance or development shall be allowed, ~~provided that it involves plantings or for habitat enhancement measures of the functions and values of the area.~~
- c. Land within 100 ft (35 m) of any *wetland*.

Exceptions to 5.3.1.2(c):

1. Development of *low-impact trails* shall be allowed, provided that such trails are located at least 15 ft (4.5 m) from the *wetland*.
2. *Site* disturbance or development shall be allowed, ~~provided that it involves plantings~~ or for habitat enhancement measures or for restoration of the functions and values of the *wetland*.

Public Review Draft

Proposed Addendum k to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

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

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

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHARE expressly disclaims such.

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



(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposed change to Standard 189.1 is based in part on a comparison of 189.1 with the 2015 International Green Construction Code (IgCC). The change from 10 % to 5 % in the U-, C- and F- factors and in the SHGC is based on it being more practical to design and build, while having only a limited impact on energy use. The proposed change also adds skylights to the requirements for fenestration SHGC and U-factors to implement a more consistent technical approach to the issue. In addition, the SHGC for fenestration is proposed to be reduced in Climate Zones 1-3 in addition to Climate Zones 4-8, which were already included. This change reflects the fact that a 5 % reduction is not very difficult to achieve and need not be restricted by climate zone.

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

Addendum k to 189.1-2014

Revise as follows:

7.4.2.1 Building Envelope Requirements. The *building envelope* shall comply with the requirements in Tables 5.5-1 through 5.5-8 of ANSI/ASHRAE/IES Standard 90.1, with the following modifications to values in each table. For the opaque elements, each U-factor, C-factor, and F-factor in Tables 5.5-4 through 5.5-8 shall be reduced by ~~ten~~ five percent. The “Insulation Min. R-Value” column in Tables 5.5-4 through 5.5-8 of ANSI/ASHRAE/IES Standard 90.1 shall not apply. For *vertical fenestration and skylights*, each U-factor shall be reduced by ~~ten~~ five percent. For skylights and east-oriented and west-oriented *vertical fenestration*, each *solar heat gain coefficient (SHGC)* in Tables 5.5-~~1-4~~ through 5.5-8 shall be reduced by ~~ten~~ five percent.

Informative Notes:

1. U-factors, C-factors, and F-factors for many common assemblies are provided in ANSI/ASHRAE/IES Standard 90.1, Normative Appendix A.
2. Section 5.3.5.3 of this standard includes additional provisions related to *roofs*.

Exceptions:

1. The U-factor, C-factor, or F-factor shall not be modified where the corresponding

R-value requirement is designated as “NR” (no requirement) in ANSI/ASHRAE/IES Standard 90.1 Tables 5.5-4 through 5.5-8.

2. The *SHGC* shall not be modified where the *SHGC* requirement is designated as “NR” (no requirement) in ANSI/ASHRAE/IES Standard 90.1 5.5-~~1-4~~—through 5.5-8.
3. *Spaces* that meet the requirements of Section 8.4.1, regardless of *space* area, are exempt from the *SHGC* criteria for *skylights*

DRAFT DATE: October 14, 2015

ASME PVHO-1-2012
(Revision of ASME PVHO-1-2007)



REVISION OF: **Safety Standard for
Pressure Vessels for
Human Occupancy**



AN AMERICAN NATIONAL STANDARD

6-4.3 Sanitary Systems

6-4.3.1 All diving PVHO systems designed for extended occupancy shall be outfitted with the following system capable of supporting the sanitary needs of the occupants:

(a) Chambers designed for occupancy not exceeding 24 hr shall have provisions for handling sanitary waste and hand-washing facilities.

(b) Chambers designed for occupancy in excess of 24 hr, except those used exclusively for hyperbaric rescue, shall incorporate a flushing toilet, hand-washing sink, and shower with running water and drain facilities.

6-4.3.2 The flushing toilet shall be provided with the following:

(a) a source of water capable of being delivered at a pressure adequate to ensure sufficient flow into the chamber at its maximum operating pressure

(b) interlock(s) to prevent actuation while the occupant is seated

(c) an actuation that shall require at least two distinct and separate sequential actions by the occupant

(d) a flushing system that shall be designed to limit the volume of gas exhausted with each actuation

(e) an effluent drain that shall be routed to an external holding tank

(f) a toilet seat that must include a stand-off to ensure that a complete seal between the toilet bowl and user cannot be achieved

6-4.3.3 The hand-washing sink and shower system shall be provided with the following:

(a) a source of water capable of being delivered at a pressure adequate to ensure sufficient flow into the chamber at its maximum working pressure

(b) a water drain that shall be routed to an external holding tank

(c) a drain that may be manual or automatic

(d) a drain system that shall include a stand-off that ensures that a complete seal between the drain and user cannot occur

6-4.3.4 The holding tank shall be provided with the following:

(a) pilot and vent valves to ensure it cannot exceed chamber pressure during system actuation or chamber decompression.

(b) a pressure gage indicating tank pressure.

(c) a level-indicating device and normally closed fail-to-safety actuating drain valve.

(d) a drain line connecting the holding tank with the appropriate system on the vessel or land-based facility sewerage system. This external drain shall be designed to prevent nonpermissible pressurization of the external drainage system.

6-5 TESTING

All diving PVHOs shall be functionally and physically tested prior to operational service. Testing shall be conducted on all parts, components, and systems for a fully functional and operational diving system. As a minimum, the following tests shall be performed:

(a) internal/external pressurization test to full operational pressure (External pressure test may be included on functional testing during sea trials.)

(b) pressure test of all hatches and sealing surfaces at maximum and minimum pressure

(c) pressurization/leak test of internal and external pressure-retaining components

(d) operational test of electrical and mechanical systems to ensure proper function and the absence of unacceptable hazards as required in subsection 1-11

(e) other tests as required

Trained and qualified personnel shall perform tests in accordance with written instructions stipulating acceptance criteria. All test results shall be documented and retained by the manufacturer.

6-4.6 Emergency Recovery of Diving Bells (see 10-296 next 2 pages)

PVHO Item 10-296

Diving Bell Emergency Recovery

Revised per Ballot 11-2747RC101

October 2015 Draft # 7_(revisions in green)

6-4.XX Emergency Recovery of Diving Bells**6-4.XX.1 General**

6-4.XX.1.1 This section addresses the design, construction and testing of emergency recovery equipment on diving bells.

6-4.XX.2 Design

6-4.XX.2.1 Diving bells shall be outfitted with a means of emergency recovery depending on whether it has been designed to remain negatively buoyant or become positively buoyant.

6-4.XX.2.2 All diving bells shall be equipped with a secondary lifting point, meeting the same requirements as the primary lifting point, to facilitate the attachment of an emergency lifting wire.

6-4.XX.2.3 Consideration shall be given to the clearance necessary between the bottom door and the seabed to ensure safe ~~permit~~ ingress or egress of divers under emergency conditions.

6-4.XX.3 Negative Buoyancy Diving Bells

6-4.XX.3.1 Guide wires and clump weight(s) shall be designed to permit the diving bell to be recovered from the maximum operating depth when loaded to the maximum service weight, with trunk(s) flooded, and the maximum deployable length of umbilical and lifting wire attached to the bell and severed at the surface.

6-4.XX.4 Positive Buoyancy Diving Bells

6-4.XX.4.1 The diving bell shall be equipped with devices for releasing the main lifting wire, guide wires, umbilical and ballast weight(s). The operation of each emergency release device shall require at least two mutually-independent actions to release.

6-4.XX.4.2 Release devices shall be designed to prevent accidental actuation. Consideration shall be given to environmental factors, such as exposure to ambient temperatures and pressures. The design should facilitate regular testing and maintenance.

6-4.XX.4.3 After the release of the main bell wire, guide wires, and umbilical and the ballast weight(s), the diving bell shall exhibit positive buoyancy when loaded to the maximum service weight and with trunk(s) flooded. Under these circumstances, the diving bell shall have sufficient stability to remain upright. Consideration shall be given during the risk assessment as required in section 1-11 Risk Analysis to the ascent rate and impact on surface vessels and structures.

6-4.XX.5 Functional Testing

6-4.XX.5.1 Functional testing is to be carried out to demonstrate and document proper operation of all emergency recovery functions.

PVHO Item 10-296

Diving Bell Emergency Recovery

Revised per Ballot 11-2747RC101

October 2015 Draft # 7_(revisions in green)

Definitions

Guide Wire(s): An independent system of wires used to deploy a clump-weight that provides vertical and rotational stability to the diving bell. These are typically connected at two or four points on the diving bell protection frame. Connection is by means of special clamps designed to allow the diving bell to run freely up/down the guide wires.

Clump Weight: The weight attached to and deployed by the guide wire system.

Drop Weight: A releasable weight(s) attached to the diving bell.

Tracking number 61i128r1
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Revision to NSF/ANSI 61 – 2014a
Issue 128 Revision 1 (October 2015)

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

NSF/ANSI Standard for Drinking Water System Components – Health Effects

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Foreword¹

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It is the intent of the Joint Committee to eliminate the extraction water specified in Table B3a from the Standard after August 2020, or a period of five years from the adoption of Table B3b. Use of either Table B3a or B3b provides for transition during this period. Certification bodies and other users of this standard are strongly encouraged to perform periodic assessments of the effects of this change and provide feedback to the Joint Committee...

Reason: The above text will be placed in the informational Foreword of the standard in conjunction with this revision.

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Annex B (normative)

Product/material evaluation

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B.2 General evaluation requirements

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B.2.5 Extraction waters

Samples shall be exposed, based on a formulation review and determination of the most severe condition(s), to the required extraction waters as detailed in Annex B, Table B3a, except for mechanical plumbing devices (Annex B, section B.5.5). At the discretion of the manufacturer, the extraction waters detailed in Table B3b shall be used as an alternate to those in Table B3a. The characteristics and preparation of the waters are described in Annex B, section B.9.

¹ The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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The test water formulations as provided in Annex B, section B.9 shall be used without the addition of free available chlorine when testing high flow devices (or their components) exclusively used at public water treatment facilities and typically installed prior to chlorination.

NOTE - Some materials used in these devices may be damaged by chlorine and test waters that include chlorine would not be representative of field use conditions for this use type.

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B.9 Extraction water preparation

B.9.1 Chemical characteristics

~~Four~~ **Five** extraction waters shall be available for exposure:

- a) pH = 5, with 2 mg/L available chlorine and 100 mg/L hardness;
- b) pH = 6.5, with 2 mg/L available chlorine and 100 mg/L hardness;
- c) pH = 8 (organic analysis), with 0 mg/L available chlorine and 100 mg/L hardness;
- d) pH = 10, with 2 mg/L available chlorine; and
- e) pH = 8 ± 0.5 , alkalinity of 500 ± 25 ppm, dissolved inorganic carbon of 122 ± 5 ppm, and 2 ± 0.5 ppm of free chlorine.

Reason: Characteristics of current Section 9 test water copied in from section B.5.5

All exposure water that is used to determine compliance to this Standard shall be prepared fresh daily and stored in a closed container.

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B.9.8 pH 8 water (from section 9)

The extraction water shall be prepared by combining:

- 25 ml of 0.4M sodium bicarbonate;
- chlorine stock solution per Annex B, section B.9.2.4;
- reagent water meeting the requirements of Annex B, section B.9.2.1 (make up to 1 L), and adjust pH as needed using 0.1M HCl; and

Reason: Formulation of current Section 9 test water copied in from section B.5.5

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Table B3a – Extraction water selection

Analytes of interest	pH		
	5 (B.9.3)	8 (B.9.6)	10 (B.9.7)
metals	X		X
organics		X	
KEY X = Required extraction water selection.			

Reason: Added section numbers to clarify current pH 8 water used versus section 9s pH 8 test water in B.5.5 and added as B.9.8.

Table B3b – Alternate extraction water selection

Material Type by Section	Analyte of Interest	X = Required extraction water selection				
		pH 5 (B.9.3)	pH 10 (B.9.7)	pH 6.5 (B.9.4)	pH 8 (B.9.8)	Reagent Water ³ (B.9.3)
Sections 4, 5, 6, and 8						
Brass and bronze surfaces	all analytes				X	
Chrome, zinc, galvanized, and other non-brass and non-bronze metal surfaces excluding copper pipe ¹	metals	X	X			
	organics				X	
Copper pipe (C12200) and copper alloy fittings used exclusively to join copper pipe	metals	X ²	X	X ²		
	organics				X	
PVC and CPVC materials	metals	X	X			
	organics				X	
Cementitious materials	metals	X	X			
	organics				X	
Asphaltic coatings	metals	X	X			
	organics				X	
All other wetted surfaces	all analytes				X	
¹ Chrome, zinc, and galvanized surfaces refers to those intentionally coated and is not a selection criteria for small areas of overspray. ² The pH 6.5 test water may be used in replacement of the pH 5 test water provided the requirements in 4.5.3.2 are also met. ³ Placeholder for eventual citing of test waters used for process media currently contained in section 7.						

Reason: See explanatory table on following page.

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<i>Description</i>	<i>Rationale</i>
1) <i>Changed from current pH 5 & pH 10 waters to the Sec 9 water (pH 8 above) for metals release from most material types.</i>	<ul style="list-style-type: none"> • <i>WRF #4243 research reported this water was best on average of those evaluated for when evaluating lead release from the products evaluated.</i> • <i>Currently this water is used when looking for all metals from Sec 9 devices.</i> • <i>Materials types where metals have been a problem have been maintained and require closer review prior to recommending changes.</i>
2) <i>Retained use of limited pH 5 and pH 10 waters on select material types.</i>	<ul style="list-style-type: none"> • <i>Effects of changing test waters should be more closely considered for these materials prior to making a change.</i>
3) <i>Changed test water used for organic analysis from current, non-chlorinated, pH8 test water to Sec 9 water.</i>	<ul style="list-style-type: none"> • <i>Sec 9 water is already used for organics analysis on all section 9 devices.</i> • <i>Both waters are pH 8</i> • <i>Simplifies NSF 61 test by lessening waters used.</i>

Default Ballot

ANSI/TIA-568-C.2-1, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Ohm Category 8 Cabling

This default ballot is a result of the comment resolution held regarding ANSI/TIA-PN-568-C.2-1 and is limited to 15 specific technical changes, rejected and unresolved comments, and unresolved issues listed below. Other comments submitted to regarding ANSI/TIA-PN-568-C.2-1 were resolved editorially. The results of ANSI/TIA-PN-568-C.2-1 consisted of 15 “approve” votes, 5 “approve with comment” votes, 2 “disapprove with comments” votes, and 15 “abstain”

This default ballot is constructed in a table format with the submitter (source) of each ANSI/TIA-PN-568-C.2-1 ballot comment included in the “ID” column for each row. Each comment within this default ballot corresponds to the location within the ANSI/TIA-PN-568-C.2-1 ballot document (page, clause, line). The locations of the 7 technical changes and 8 unresolved technical comments for this default ballot correspond to the locations with the ANSI/TIA-PN-568-C.2-1 ballot document.

For the purpose of this default ballot, the resolution to the submitter’s comment that was reached by the Subcommittee should be considered in your vote and comment. For example

- If you agree with the resolution to these items, your vote would be “approve”, or
- If you agree with the resolution, but have comments to the resolution, your vote would be “approve with comments” and include specific proposed changes along with rationale, or
- If you disagree with the resolution, your vote would be “disapprove with comments” and include specific proposed changes along with rationale.
- In case you disagree with the resolution to comment CS-16, comments to table C,2 at the end of this document are invited.
- Comments to provide content per the last comment, to page 131, are invited.

10/14/15 comments on PN-568-C.2-1, Resolved

Page	Line	Clause	E/T/TN	ID	Comment (rationale)	Proposed change	Resolution
18	823	5.3	T	SI-01	It is not expected that 24 AWG conductors will be adequate to support the performance requirements in this document. Some of the parameters have been specifically designed to work with 23 AWG or better. This change is necessary for consistency between our wording and our requirements	From: 22 AWG to 24 AWG To: 22 AWG to 23 AWG	Rejected – no consensus for change.

23	952	6.2	TN	AESA_1	In figure 4ff the maximum length is given. There is no minimal restriction at all. For testing reason (field and lab) a minimum length has to be given. Without the minimum length specified, the accuracy cannot be given to the user and will be available only as best case for most parameters as shorter could be less accurate.	Define minimum length in figure 4ff for channel, permanent link, cable and patchcords.	Rejected - no consensus for change.
32	1098	6.2.17	TN	AESA_2	Similar to TCL also ELTCTL has to be specified over the whole frequency range. For data transmission ELTCTL is even more important as this works as an additional attenuation as the transmitted signal is converted from differential to common mode and therefore lost.	Define a requirement even it is negative. This is only a calculated value and not a measurement itself.	Rejected - no consensus for change.
33	1103	6.2.18	T	Superior-1	Coupling attenuation measurement is not needed when PSANEXT and PSAACRF testing are required.	Delete coupling attenuation requirements (lines 1103-1115)	Accept with edits – change 'shall' to 'should'
47	1315	6.3.17	TN	AESA_4	Similar to TCL also ELTCTL has to be specified over the whole frequency range. For data transmission ELTCTL is even more important as this works as an additional attenuation as the transmitted signal is converted from differential to common mode and therefore lost.	Define a requirement even it is negative. This is only a calculated value and not a measurement itself.	Rejected – no consensus for change.
47	1319	6.3.18	T	Superior-2	Coupling attenuation measurement is not needed when PSANEXT and PSAACRF testing are required.	Delete coupling attenuation requirements (lines 1319-1330)	Accept with edits – change 'shall' to 'should'
68	1644	6.5.15	T	CS-01	We are all happy now with cable TCL.	Delete the three TBDs in table 77. Also delete the TBSs in section 6.5.17 (cable TCTL), 6.2.15 (channel TCTL), 6.2.17 (channel TCTL), 6.3.15 (permanent link TCL), and 6.3.17 (permanent link TCTL).	Accept

69	1656	6.5.17	TN	AESA_8	Similar to TCL also ELTCTL has to be specified over the whole frequency range. For data transmission ELTCTL is even more important as this works as an additional attenuation as the transmitted signal is converted from differential to common mode and therefore lost.	Define a requirement even it is negative. This is only a calculated value and not a measurement itself.	Rejected – no consensus for change.
70	1661	6.5.18	T	Superior-3	Coupling attenuation measurement is not needed when PSANEXT and PSAACRF testing are required.	Delete coupling attenuation requirements (lines 1661-1670)	Rejected – no consensus for change.
102	2181	B.6	T	CS-02	This is a good value for the balance of a terminating network.	Delete the TBD.	Accept.
118	2557	C.2.1	T	CS-04	These numbers are fine.	Delete the two TBDs on line 2557. If you want to change the numbers, feel free to do so.	Accept.
122	2701	C.5.4	T	CS-15	There is no need for IL requirements for test plugs.	Delete the editor's note.	Accept
123	2748	C.5.5.3	T	CS-16	These vectors will more closely track reality and give a more accurate result.	Use the revised table C.2 at the end	Rejected – no consensus for change.
134	2934	C.5.11.2.1	T	CS-05	These ranges have been tried out and they seem fine.	Delete the two TBDs in table C.5.	Accept.
131	2868	C.5.11.1	T	TIA TR-42.7	During the December meeting, the sub-committee realized, there are no transmission performance requirements defined for the PCB based test plug and associated socket described in lines 2868-2904, pages 131-133, and figures C.16 and C.17.	performance requirements are required for these fixtures	accept in principle, commenter to provide requirements

Table C.1 - Category 8 test plug NEXT loss limit vectors

Case #	Pair combination	Limit	Frequency (MHz)	Plug NEXT loss limit vector magnitude (dB) ¹⁾	Plug NEXT loss limit vector phase (degrees) ^{2), 3)}
Case 1	3,6-4,5	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 38.1)$	Test plug NEXT loss measured phase
Case 2	3,6-4,5	Central	$1 \leq f \leq 2000$	For $TP_{Mag100} \geq 38.6$ $Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 38.6)$ For $TP_{Mag100} < 38.6$ $Vector_{Mag} = TP_{Mag} + (38.6 - TP_{Mag100})$	Test plug NEXT loss measured phase
Case 3	3,6-4,5	Central	$1 \leq f \leq 2000$	For $TP_{Mag100} \geq 39.0$ $Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 39.0)$ For $TP_{Mag100} < 39.0$ $Vector_{Mag} = TP_{Mag} + (39.0 - TP_{Mag100})$	Test plug NEXT loss measured phase
Case 4	3,6-4,5	High	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} + (39.5 - TP_{Mag100})$	Test plug NEXT loss measured phase
Case 5	1,2-3,6	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 46.5)$	Test plug NEXT loss measured phase
Case 6	1,2-3,6	High	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} + (49.5 - TP_{Mag100})$	Test plug NEXT loss measured phase
Case 7	3,6-7,8	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 46.5)$	Test plug NEXT loss measured phase
Case 8	3,6-7,8	High	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} + (49.5 - TP_{Mag100})$	Test plug NEXT loss measured phase
Case 9	1,2-4,5	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 57.0)$	+90
Case 10	1,2-4,5	High	$1 \leq f \leq 2000$	For $TP_{Mag100} \geq 70.0$ $Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 70.0)$ For $TP_{Mag100} < 70.0$ $Vector_{Mag} = TP_{Mag} + (70.0 - TP_{Mag100})$	-90
Case 11	4,5-7,8	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 57.0)$	+90
Case 12	4,5-7,8	High	$1 \leq f \leq 2000$	For $TP_{Mag100} \geq 70.0$ $Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 70.0)$ For $TP_{Mag100} < 70.0$ $Vector_{Mag} = TP_{Mag} + (70.0 - TP_{Mag100})$	-90
Case 13	1,2-7,8	Low	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 66.0)$	Test plug NEXT loss

					measured phase
Case 14	1,2-7,8	High	$1 \leq f \leq 2000$	$Vector_{Mag} = TP_{Mag} - (TP_{Mag100} - 66.0)$	Test plug NEXT loss measured phase minus 180°
¹⁾ Where TP_{Mag} is the test plug magnitude for the given pair combination at all frequencies from 1 to 2000 MHz, and TP_{Mag100} is the test plug magnitude for the given pair combination at 100 MHz. ²⁾ Test plug NEXT loss phase is determined by following the procedure in clause Error! Reference source not found.. ³⁾ The reference plane for measuring test plug NEXT loss phase and mated NEXT loss shall be the test plug phase reference plane as described in clause Error! Reference source not found..					

**ANSI/TIA-1183-1, MEASUREMENT METHODS AND TEST FIXTURES FOR BALUN-LESS MEASUREMENTS OF BALANCED COMPONENTS AND SYSTEMS
Extending Frequency Capabilities to 2 GHz**

This default ballot is a result of the comment resolution held regarding ANSI/TIA-1183-1 and is limited to 15 specific technical changes, rejected and unresolved comments, and unresolved issues listed below. Other comments submitted to regarding ANSI/TIA-1183-1 were resolved editorially. The results of ANSI/TIA-1183-1 consisted of 16 “approve” votes, 3 “approve with comment” votes, 1 “disapprove with comments” votes, and 14 “abstain”

This default ballot is constructed in a table format with the submitter (source) of each ANSI/TIA-1183-1 ballot comment included in the “ID” column for each row. Each comment within this default ballot corresponds to the location within the ANSI/TIA-1183-1 ballot document (page, clause, line). The locations of the 7 technical changes and 8 unresolved technical comments for this default ballot correspond to the locations with the ANSI/TIA-1183-1 ballot document.

For the purpose of this default ballot, the resolution to the submitter’s comment that was reached by the Subcommittee should be considered in your vote and comment. For example

- If you agree with the resolution to these items, your vote would be “approve”, or
- If you agree with the resolution, but have comments to the resolution, your vote would be “approve with comments” and include specific proposed changes along with rationale, or
- If you disagree with the resolution, your vote would be “disapprove with comments” and include specific proposed changes along with rationale.
- Comments on tables 2, 3, and 7, included below, are also invited.

10/14/15 comments on ANSI/TIA-1183-1, Resolved

Page	Line	Clause	E/T/TN	ID	Comment (rationale)	Proposed change	Resolution
End of document		Annex F	TN	AESA_10	This standard fails to explain how the symmetry performance of loads can be evaluated.	Add an informative Annex F as handed in as a contribution.	Rejected – no consensus for change. (It is intended that the accuracy requirements for individual port terminations will be good enough to assure sufficient accuracy in the TCL results. See table 5.)
13	430	6.2	TN	AESA_01	Isolation requirement between test fixtures has the same limit as NEXT. As Antoine Peltier showed with his presentation TR42.7-2015-07-115-CableNEXT, isolation calibration is needed to improve the fixture performance. If the limit is the same, then also between fixtures an isolation calibration has to be applied which are not easy to keep stable as the fixtures still can be moved.	Add: Isolation calibration is needed between test fixtures to provide the needed FEXT noise floor. Isolation is not required if the crosstalk between the test fixtures exceeds the required crosstalk of the switch ($\geq 105\text{dB}$).	Accept with edits: Add to footnote 2 'or isolation calibration' (Also change 'though' to 'through')
13	430	6.2	T	OCC-2	Calibrated SE and CM RL is worse than system uncorrected performance	Place high frequency plateau of 12 dB on those parameters	Accept.
13	430	6.2	T	OCC-3		Remove TBD's from table 2	Accept. (all three TBDs)

14	437	6.3	T	OCC-4	For the SE, DM, and CM system return loss, measured performance on an example fixture was slightly worse at low frequency, and better at high.	Propose to change limits for these parameters to 28-20LOG(f/100) with a low freq plateau of 20 dB and a high freq plateau of 12 dB	Accept
14	437	6.3	T	OCC-5	SE port to port (pair to pair) isolation could be enhanced.	Change to 85-20LOG(f/100) with a low freq plateau of 85 dB	Accept with edits Plateau to be 80.
14	437	6.3	T	OCC-6	SE port to port (within a pair) isolation could be enhanced.	Change to 60-20LOG(f/100) with a low freq plateau of 70 dB	Accept with edits Plateau to be 60. Also change DM port-to-port isolation to 100-20log(f/100) with a plateau of 94.
14	437	6.3	T	OCC-7	TCL, LCL and TCTL, LCTL requirements could be enhanced	Change to 50-20LOG(f/100) with a low freq plateau of 50 dB	Accept
14	437	6.3	T	OCC-8		Remove TBDs from table 3.	Accept
17	507	7.5.2	T	CS-11	Not sure what this referred to anyway?	Remove the TBD.	Accept
18	531	7.6	TN	AESA_08	SE (50 Ω) port-to-port (pair-to-pair) isolation: NEXT loss and FEXT loss for the overall test setup performance before calibration is $> 73 - 20\log(f/100)$. SE port-to-port NEXT loss Active port far end termination performance is $65 - 20\log(f/100)$ dB only. Why the termination is worse than the whole setup?	Define values for the termination which are at least same or better than the whole setup.	Accept with edits. Change DM port-to-port from 90 to 100.
18	531	7.6 table 5 and 7.7 table 6	T	CS-13	These numbers are all OK. Prepare to publish.	Remove all the TBDs in tables 5 and 6.	Accept
18	543	7.7	T	OCC-12	Table 6, change RL requirement. Others look good.	Change RL to 28-20LOG(f/100) low plateau of 20 and high of 12 (same as uncorrected system performance). Remove TBD's from table.	Accept

19	577	8.3	T	CS-15	Table is OK, prepare to publish.	Remove the TBD	Accept with edits. Consistently use a period after max and min Add sentence: The overall test set-up performance after calibration shall meet the requirements of table 7.
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Table 2 - Test fixture performance

Parameter	Frequency (MHz)	Requirement	Low frequency plateau ¹	High frequency plateau ²
SE port (50 Ω) return loss	$1 \leq f \leq 2000$	$\geq 32 - 20\log(f/100)$ dB	40 dB	12 dB
DM port (100 Ω) return loss	$1 \leq f < 2000$	$\geq 38 - 20\log(f/100)$ dB	40 dB	
CM port (25 Ω) return loss ³	$1 \leq f < 2000$	$\geq 28 - 20\log(f/100)$ dB	35 dB	12 dB
SE (50 Ω) port-to-port (pair-to-pair) isolation: NEXT loss and FEXT loss	$1 \leq f \leq 500$ $500 < f \leq 2000$	$\geq 94 - 15\log(f/100)$ $\geq 83.5 - 30\log(f/500)$	105 dB	
SE (50 Ω) port-to-port (within a pair) isolation: NEXT loss and FEXT loss	$1 \leq f \leq 2000$	$\geq 63 - 20\log(f/100)$	75 dB	
DM (100 Ω) port-to-port isolation: NEXT loss and FEXT loss	$1 \leq f \leq 2000$	$\geq 90 - 20\log(f/100)$	94 dB	
DM (100 Ω) insertion loss	$1 \leq f \leq 2000$	≤ 1 dB		
TCL, LCL	$1 \leq f \leq 2000$	$\geq 60 - 20\log(f/100)$	70 dB	
TCTL, LCTL	$1 \leq f \leq 2000$	$\geq 50 - 20\log(f/100)$	50 dB	
Isolation between test fixtures ²	$1 \leq f \leq 2000$	$\geq 94 - 15\log(f/100)$ $\geq 83.5 - 20\log(f/500)$	105	

¹ Calculations that result in limit values greater than the low frequency plateau shall revert to the requirements specified for the low frequency plateau.

² Calculations that result in limit values less than the high frequency plateau shall revert to the requirements specified for the high frequency plateau.

³ The requirement can be met either through separation, shielding or isolation calibration applied between fixtures.

⁴ DUT common mode impedance is usually specified as 50 Ohms, therefore for measurements, a transformation is required as specified in Annex B.

Table 3 - Overall test setup performance before calibration

Parameter	Frequency (MHz)	Recommendation	Low frequency plateau ¹	High frequency plateau ²
SE port (50 Ω) return loss, (dB)	$1 \leq f \leq 2000$	$\geq 28 - 20\log(f/100)$ dB	20 dB	12 dB
DM port (100 Ω) return loss, (dB)	$1 \leq f \leq 2000$	$\geq 28 - 20\log(f/100)$ dB	20 dB	12 dB
CM port (25 Ω) return loss, (dB)	$1 \leq f \leq 2000$	$\geq 28 - 20\log(f/100)$ dB	20 dB	12 dB
SE (50 Ω) port-to-port (pair-to-pair) isolation: NEXT loss and FEXT loss	$1 \leq f \leq 2000$	$\geq 85 - 20\log(f/100)$	80 dB	N/A
SE (50 Ω) port-to-port (within a pair) isolation: NEXT loss and FEXT loss	$1 \leq f \leq 2000$	$\geq 60 - 20\log(f/100)$	70 dB	N/A
DM (100 Ω) port-to-port isolation: NEXT loss and FEXT loss	$1 \leq f \leq 2000$	$\geq 100 - 20\log(f/100)$	94 dB	N/A
DM (100 Ω) insertion loss	$1 \leq f \leq 2000$	≤ 12 dB ³	<u>N/A</u>	<u>N/A</u>
TCL, LCL	$1 \leq f \leq 2000$	$\geq 50 - 20\log(f/100)$	50 dB	N/A
TCTL, LCTL	$1 \leq f \leq 2000$	$\geq 50 - 20\log(f/100)$	50 dB	N/A
Isolation between test fixtures²	$1 \leq f \leq 2000$	$\geq 94 - 15\log(f/100)$ $\geq 83.5 - 20\log(f/500)$	105	N/A

¹ Calculations that result in limit values greater than the low frequency plateau shall revert to the recommendations specified for the low frequency plateau.

² Calculations that result in limit values less than the high frequency plateau shall revert to the recommendations specified for the high frequency plateau.

² The recommendation can be met either through separation or shielding applied between fixtures.

³ The insertion loss requirements can be relaxed for the insertion loss measurement configuration of Figure 6.

Table 7 - Overall test setup performance after calibration

Parameter	Frequency (MHz)	Requirement	Low frequency plateau¹	High frequency plateau¹
Residual return loss	$1 \leq f \leq 2000$	$39 - 15 \log(f/100)$	43 dB max.	20 dB min
Residual NEXT loss	$1 \leq f \leq 2000$	$90 - 20 \log(f/100)$	94 dB max.	70 dB min
Residual FEXT loss	$1 \leq f \leq 2000$	$90 - 20 \log(f/100)$	94 dB max.	70 dB min
Residual TCL	$1 \leq f \leq 2000$	$54 - 20 \log(f/100)$	50 dB max.	N/A
Residual TCTL	$1 \leq f \leq 2000$	$54 - 20 \log(f/100)$	50 dB max.	N/A
¹ Calculations that result in limit values greater than the low frequency plateau or less than the high frequency plateau shall revert to the requirements specified for the plateau.				

BSR/UL 330A, Standard for Safety for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)

1. Revision to the Long Term Exposure Test for Hose and Hose Assemblies, Section 30 and Manufacturing and Production Tests, Section 33

PROPOSAL

PERFORMANCE

30 Long Term Exposure Test for Hose and Hose Assemblies

30.1 General

30.1.3 For platings or coatings, there shall be no visual evidence of softening of the plating or coating material, ~~or exposed base metal~~ Compliance is checked by observance of the drained test fluid. There shall be no evidence of visible flaking of the plating or coating material. There shall be no substantial discoloration of the test fluid ~~resulting from~~ when observing the drained fluid. Discoloration is an indication of chemical attack on the plating or coatings internal to the device. In order to determine that the base metal is not exposed, visual inspections shall be made. If the visual examination requires examination of internal surfaces, the samples shall be cut open to determine compliance. If this is necessary, additional samples can be used to determine compliance with this requirement, such that the remaining test sequence will not be disturbed by cutting open the samples.

MANUFACTURING AND PRODUCTION TESTS

33 General

33.1 The manufacturer shall provide the necessary production control, inspection, and test. ~~A representative sample from every 500 hoses or once a production shift, whichever is greater, shall be subjected to the Hydrostatic Strength Test (without prior bending) in accordance with Section 13.~~

33.2 Each assembly shall be subjected to a leakage test. The liquid hose shall be subjected to an aerostatic pressure of at least 50 psig (345 kPa) or a hydrostatic pressure (without prior bending) of at least 75 psig (517 kPa). The vapor hose shall be subjected to an aerostatic pressure of 5 psig (34.5 kPa).

BSR/UL 1, Standard for Safety for Flexible Metal Conduit**Proposed new requirements for:**

- 1. Removal of the Minimum Strip Thickness for Reduced Wall Flexible Metal Conduit (RWFMC)**
- 2. Zinc Coating on Test Specimen Conduit Edges**

1. Removal of the Minimum Strip Thickness for Reduced Wall Flexible Metal Conduit (RWFMC)**PROPOSAL****5 Thickness of Strip**

5.1 The thickness of the metal strip used for flexible metal conduit shall not be less than indicated in Table 5.1 for the specified conduit type.

Exception: The thickness of the metal strip may be less than indicated in Table 5.1 when the conduit complies with the requirements specified for extra reduced-wall flexible metal conduit (XRWFMC).

Table 5.1*Strip thickness*

Trade size	(Metric designator)	Minimum acceptable thickness of strip			
		Standard wall (FMC)		Reduced-wall (RWFMC)	
		in	(mm)	in	(mm)
3/8	12	0.034	0.86	0.025	0.64
1/2	16	0.040	1.02	0.025	0.64
3/4	21	0.040	1.02	0.025	0.64
1	27	0.055	1.40	0.030	0.76
1-1/4	35	0.055	1.40	0.030	0.76
1-1/2	41	0.060	1.52	0.030	0.76
2	53	0.060	1.52	0.030	0.76
2-1/2	63	0.060	1.52	0.040	1.02
3	78	0.060	1.52	0.040	1.02
3-1/2	91	0.060	1.52	-	-
4	103	0.060	1.52	-	-

13. Impact Tests (RWFMC and ~~XRWFMC~~)

13.1 The impact strength of finished conduit formed from strip material having a thickness equal to or less than that specified in Table 5.1 for reduced-wall flexible metal conduit (RWFMC) is to be determined as described in 13.2 - 13.4. Deformation of the conduit shall be less than 50 percent as determined by measuring the overall diameter of the conduit after impact and comparing it to the original value.

17.3 Tag

17.3.1 The following statement or its equivalent shall be marked on a tag attached to each coil of aluminum or steel reduced-wall flexible metal conduit (RWFMC) ~~or extra-reduced-wall flexible metal conduit (XRWFMC)~~. "When applying setscrew-type connectors, care should be taken not to damage the conduit".

17.3.2 Each coil of flexible steel and aluminum conduit shall be marked or tagged to indicate the following plainly:

- a) The name of the manufacturer, that manufacturer's trade name for the conduit, or both, or any other acceptable distinctive marking by means of which the organization responsible for the conduit can readily be identified.
- b) The date of manufacture by month and year.
- c) The trade size of the conduit.
- d) "Use only with connectors intended for this type of conduit. " Cartons for these connectors are marked as follows:

Connectors for use with FMC (flexible metal conduit): "For FMC" or "FMC"

Connectors for use with steel (FE) or aluminum (AL) FMC only:

"For FE FMC" or "FEFMC"

"For STEEL FMC" or "STEELFMC"

"For AL FMC" or "ALFMC"

"For ALUM FMC" or "ALUMFMC"

"For ALUMINUM FMC" or "ALUMINUMFMC"

Connectors for use with reduced-wall FMC (RWFMC) only: "For RWFMC" or "RWFMC"

Connectors for use with steel (FE) or aluminum (AL) reduced-wall FMC (RWFMC) only:

"For FE RWFMC" or "FERWFMC"

"For STEEL RWFMC" or "STEELRWFMC"

"For AL RWFMC" or "ALRWFMC"

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"For ALUM RWFMC" or "ALUMRWFMC"

"For ALUMINUM RWFMC" or "ALUMINUMRWFMC"

~~Connectors for use with extra reduced-wall FMC (XRWFMC) only: "For XRWFMC"~~

~~Connectors for use with steel (FE) or aluminum (AL) extra reduced-wall FMC (XRWFMC) only:~~

~~"For FE XRWFMC" or "FEXRWFMC"~~

~~"For STEEL XRWFMC" or "STEELXRWFMC"~~

~~"For AL XRWFMC" or "ALXRWFMC"~~

~~"For ALUM XRWFMC" or "ALUMXRWFMC"~~

~~"For ALUMINUM XRWFMC" or "ALUMINUMXRWFMC"~~

17.5 Extra reduced-wall conduit (XRWFMC)

~~17.5.1 In addition to the marking requirements in 17.1.1 - 17.3.2, extra reduced-wall flexible metal conduit (XRWFMC) shall be marked by indent printing or embossing with the letters "XRW", and the tag attached to each coil shall have the statement "Extra reduced-wall flexible (aluminum or steel) conduit" or the equivalent.~~

2. Zinc Coating on Test Specimen Conduit Edges

PROPOSAL

10. Zinc Coating

10.1 The zinc coating on steel conduit shall meet all of the following requirements:

- a) A specimen of the zinc-coated strip tested before forming shall not show a bright, adherent deposit of copper on any surface, including except edges, after two 60-second immersions in a solution of copper sulphate.
- b) A specimen of partially uncoiled conduit from finished conduit:
 - 1) Shall not show a bright, adherent deposit of copper after one 60-second immersion in a copper sulphate solution, and
 - 2) Shall not show a bright, adherent deposit of copper on more than 25 percent of any surface, including except edges, after two 60-second immersions in a copper sulphate solution.

BSR/UL 414, Standard for Safety for Meter Sockets

1. Addition of Requirements for Clamping Jaw Designs for Meter Sockets to Paragraph 4.15

PROPOSAL

4.15 If the performance of a meter socket depends on an operation applying clamping pressure to the jaws, it shall not be possible to ~~install the cover~~ complete the installation until the clamping pressure has been applied to the jaws. Completion of the installation is defined as follows:

- a) For ringless type meter sockets, installation of the cover and
- b) For ring type meter sockets, installation of the cover, meter, and sealing ring.

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BSR/UL 1313, Standard for Safety for Nonmetallic Safety Cans for Petroleum Products

1. Clarify general requirements in Section 3

3.1.1 ~~If a value for measurement is followed by a value in other units in parentheses, the second value may be only approximate. The first stated value is the requirement. Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.~~

3.2.2 A component ~~need~~ is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic ~~needed~~ required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

3.2.3 A component shall be used in accordance with its ~~recognized~~ rating established for the intended condition of use.

3.2.4 Specific components are ~~recognized as being~~ incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions ~~for which they have been recognized.~~

2. Update references to ASTM standards

17.1 A can shall not have a weight loss of greater than 1 percent after being allowed to stand for 30 days at a temperature of 23°C (73°F) while filled to its nominal capacity with ASTM Reference Fuel B. The composition of the reference fuel is to be as specified in the Standard Test Method for Rubber Property - Effect of Liquids, ASTM D471-~~1979~~.

26.4.1 One-third of the specimens for immersion are to be immersed in ASTM Reference Fuel B; one-third are to be immersed in ASTM Reference Fuel C; and one-third are to be immersed in a blend of ASTM Reference Fuel A and ASTM No. 3 oil, mixed together in a ratio of 16 to 1 by volume. The composition of the test liquids is to be as specified in the Standard Test Method for Rubber Property - Effect of Liquids, ASTM D471-~~1979~~. The temperature of the liquids is to be maintained at 23°C (73°F).

26.5.1 Following the conditioning specified in 26.2.1 - 26.4.2, both conditioned specimens and unexposed specimens are to be tested to determine the percent elongation and tensile strength as specified in Standard Test Method for Tensile Properties of Plastics, ANSI/ASTM D638-~~1994~~. They are also to be tested to determine the impact resistance as specified in Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics and Electrical Insulating Materials, ANSI/ASTM D256-~~92~~. The tensile strength, percent elongation, and impact resistance of conditioned specimens are then to be compared to those of unexposed specimens.

27.2 Two samples are to be filled with Type CO-630 Igepal (a stress-cracking agent) and placed in an air oven at 60°C (140°F) for 360 hours in accordance with Procedure B of the Standard Test Method for Environmental Stress-Crack Resistance of Blow-Molded Polyethylene Containers, ANSI/ASTM D2561-~~1994~~; however, the outside of the containers is not to be exposed to the test agent.

3. Revise UV test methods in Section 26.3 to reflect updated practice

26.3 Ultraviolet-light and water exposure

~~26.3.1 Test apparatus and conditioning are to be as specified either in 26.3.2–26.3.5 or in 26.3.6.~~

26.3.1 The specimens for ultraviolet light exposure shall be subjected to either of the following equivalent test methods and light/water cycle rates with an apparatus temperature of $60 \pm 2^{\circ}\text{C}$ ($140 \pm 3.6^{\circ}\text{F}$):

- a) 720 hours using the Apparatus and Procedures in Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials, ASTM G153, using Cycle 1 in Table X1.1 for Common Exposure Conditions (102 minutes light and 18 minutes light and water spray), or
- b) 1000 hours using the Apparatus and Procedures in Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials, ASTM G155, using Cycle 1 in Table X3.1 for Common Exposure Conditions (102 minutes light and 18 minutes light and water spray).

~~26.3.2 The test apparatus is to be as specified Type D or Type DH in the Standard Practice for Operating Light Exposure Apparatus (Carbon Arc Type) With and Without Water for Exposure of Nonmetallic Materials, ANSI/ASTM G23–1992. The temperature within the apparatus is to be $60 \pm 2^{\circ}\text{C}$ ($140 \pm 3.6^{\circ}\text{F}$).~~

26.3.2 The specimens are then to be conditioned for 24 hours in air having a temperature of 60°C (140°F) and a relative humidity of 50 percent prior to testing per 26.5.

~~26.3.3 During each operating cycle of 120 minutes, the specimens for exposure are to be exposed to light alone for 102 minutes and to light and water for 18 minutes. This conditioning is to last for 720 hours.~~

~~26.3.4 The specimens are then to be conditioned for 24 hours in air having a temperature of 60°C (140°F) and a relative humidity of 50 percent.~~

~~26.3.5 Conditioning procedures not described in 26.3.2–26.3.4 are to be as specified in the Standard Practice for Operating Light and Water Exposure Apparatus (Carbon Arc Type) for Exposure of Plastics, ANSI/ASTM D1499–1992.~~

~~26.3.6 As an alternative, the specimens may be conditioned for 1000 hours in accordance with the Standard Practice for Operating Xenon Arc Type Light Exposure Apparatus With and Without Water for Exposure of Plastics, ANSI/ASTM D2565–92, using apparatus specified therein as Type B or Type BH.~~