ANSI STANDARDS ACTION

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Contents

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

ISSN 0038-9633

Comment Deadline: October 25, 2015

BPI (Building Performance Institute)

Revision

BSR/BPI-2400-S-201x, Standard Practice for Standardized Qualification of Whole-House Energy Savings Predictions by Calibration to Energy Use History (revision of ANSI/BPI 2400-S-2012)

Specifies the requirements and process for the calculation of standardized predicted savings: a difference (delta simulation) between the modeled energy usage before an energy upgrade (or set of upgrades) and modeled energy use after an upgrade (or set of upgrades), using approved building energy simulation software. Applies to existing detached single-family dwellings and townhouses that meet specific criteria.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Carson, (877) 274 -1274, standards@bpi.org

IPC (IPC - Association Connecting Electronics Industries)

New Standard

BSR/IPC-HDBK-4691-201x, Handbook on Adhesive Bonding in Electronic Assembly Operations (new standard)

The purpose of this handbook is to assist individuals who must either make choices regarding adhesive bonding or who must work in adhesive bonding operations and also to provide guidelines for the design, selection, and application of adhesive bonding as it pertains to electronic assembly only.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jeanne Cooney, (847) 597 -2842, JeanneCooney@ipc.org

NSF (NSF International)

Revision

BSR/NSF 61-201x (i122), 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

NSF (NSF International)

Revision

BSR/NSF 173-201x (i50r2), Dietary Supplements (revision of ANSI/NSF 173 -2013)

This Standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin; a mineral; an herb or other botanical; an amino acid; a dietary substance for use by humans to supplement the diet by increasing the total dietary intake; or a concentrate, metabolite, constituent, extract, or combinations of these ingredients. Products and ingredients deemed a hazard to public health or safety by a regulatory agency having jurisdiction shall be excluded from the scope of this document. Conventional foods are excluded from the scope of this Standard.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 810B-201x, Standard for DC Power Capacitors (new standard)

The following topic for the Standard for DC Power Capacitors, UL 810B, is being recirculated: (1) The proposed first edition of the Standard for DC Power Capacitors, UL 810B. This standard covers dc power capacitors with or without integral protection intended to reduce the risk of rupture and venting of the capacitor enclosure under internal fault conditions. These requirements apply to capacitors that are intended for use in dc power electronic applications such as switching circuits, dc filtering, and renewable energy systems.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Ritu Madan, (847) 664 -3297, ritu.madan@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 923-201x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2015a)

(1) Addition of requirements for polymeric materials.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664 -2023, Amy.K.Walker@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1973-201x, Standard for Batteries for Use In Light Electric Rail (LER) Applications and Stationary Applications (revision of ANSI/UL 1973 -2013)

(2) Various revisions throughout the entire standard.

Click here to view these changes in full

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

Comment Deadline: November 9, 2015

AAMI (Association for the Advancement of Medical Instrumentation)

Addenda

BSR/AAMI/IEC 80601-2-58/A1-201x, Medical electrical equipment - Part 2 -58: Particular requirements for the basic safety and essential performance of lens removal and vitrectomy devices for ophthalmic surgery (Amendment 1) (addenda to ANSI/AAMI/IEC 80601-2-58-2008)

This amendment modifies the content of the second edition of IEC 80601-2 -58 and includes an integration of updated definition of essential performance and updating the essential performance analysis, removing the dates of collateral and general standard references, addition of symbols, and updating of EMC requirements.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?view

Order from: https://standards.aami.org/kws/public/document?view

Send comments (with copy to psa@ansi.org) to: Hae Choe, hchoe@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/IEC 82304-1-201x, Health software - Part 1: General requirements for product safety (identical national adoption of IEC 82304-1)

This Standard applies to the safety of health software products designed to operate on general computing platforms and intended to be placed on the market without dedicated hardware, and its primary focus is on the requirements for manufacturers.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/groups/PUBLIC_REV/download/7110

Order from: https://standards.aami.org/kws/groups/PUBLIC_REV/download/7110

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

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

Revision

BSR/AHRI Standard 220-201x, Reverberation Room Qualification and Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 220-2010)

This standard applies to HVAC products where sound power is determined by measurement using the Comparison Method in a reverberation room that meets the qualification requirements as defined in Section 4 of this standard.

Single copy price: Free

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

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

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

Revision

BSR/AHRI Standard 900 (I-P)-201x, Performance Rating of Thermal Storage Equipment Used for Cooling (revision of ANSI/AHRI Standard 900-2004)

This standard applies to Thermal Storage Equipment used for cooling which may be charged and discharged with any of a variety of heat transfer fluids. The equipment, as further described in Sections 3 and 4, may be fully factory assembled; assembled on site from factory-supplied components; or field erected in accordance with pre-established design criteria.

Single copy price: Free

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

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

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

Revision

BSR/AHRI Standard 901 (SI)-201x, Performance Rating of Thermal Storage Equipment Used for Cooling (revision of ANSI/AHRI Standard 901 (SI)-2010)

This standard applies to Thermal Storage Equipment used for cooling which may be charged and discharged with any of a variety of heat transfer fluids. The equipment, as further described in Sections 3 and 4, may be fully factory assembled; assembled on site from factory-supplied components; or field erected in accordance with pre-established design criteria.

Single copy price: Free

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

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

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 6.3.1-1987 (R201x), Program for Testing Radiation Shields in Light Water Reactors (LWR) (reaffirmation of ANSI/ANS 6.3.1-1987 (R2007))

This standard describes a test program to be used in evaluating biological radiation shielding in nuclear reactor facilities under normal operating conditions including anticipated operational occurrences. The program encompasses examining and testing to be performed before startup, during startup, and testing subsequent to the startup phase. Post-startup tests are required for the shielded components which do not contain sufficient radioactivity during the startup phase to allow valid testing. Shielding of these components is to be tested when radiation sources develop or are introduced into sufficient strength to allow meaningful measurements.

Single copy price: $30.00

Obtain an electronic copy from: scook@ans.org

Order from: scook@ans.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.80-201x, Prime Number Generation, Primality Testing, and Primality Certificates (revision of ANSI X9.80-2005 (R2013))

In the current state of the art in public key cryptography, all methods require, in one way or another, the use of prime numbers as parameters to the various algorithms. This document presents a set of accepted techniques for generating primes. This standard defines methods for generating large prime numbers as needed by public key cryptographic algorithms. It also provides testing methods for testing candidate primes presented by a third party.

Single copy price: $100.00

Obtain an electronic copy from: janet.busch@x9.org

Order from: Janet Busch, (410) 267-7707, janet.busch@x9.org

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

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.

Single copy price: Free

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

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME PVHO-2-201x, Safety Standard for Pressure Vessels for Human Occupancy In-Service Guidelines (revision of ANSI/ASME PVHO-2-2012)

This Standard provides technical requirements and guidelines for the operation and maintenance of PVHOs and PVHO systems that were designed, constructed, tested, and certified in accordance with ASME PVHO -1, Safety Standard for Pressure Vessels for Human Occupancy.

Single copy price: Free

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

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

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

B11 (B11 Standards, Inc.)

Reaffirmation

BSR B11.7-1995 (R201x), Cold Headers and Cold Formers - Safety Requirements for Construction, Care and Use (reaffirmation of ANSI B11.7 -1995 (R2010))

The requirements of this standard apply only to those mechanically powered machines commonly referred to as cold headers and cold formers, which perform many operations such as shearing, heading, upsetting, extruding, trimming, forming, cold working, or warm forming material by means of tools and dies. This type of equipment generally has the ram in a horizontal position. Included are pointers and roll formers when they are mechanically an integral part of the basic machine.

Single copy price: $75.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

CSA (CSA Group)

Revision

BSR Z21.72-201x, Standard for Portable Type Gas Camp Stoves (same as CSA 11.2) (revision of ANSI Z21.72-2011)

Details test and examination criteria for portable camp cook stoves for use with propane HD-5 only, having input ratings of 12,000 Btu per hour or less and intended for use both indoors in adequately ventilated structures and outdoors. This standard applies to stoves designed for self-contained fuel supplies using fuel cylinders of not more than 75 cubic inches (2-1/2 pounds nominal water capacity).

Single copy price: Free

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

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

Home Innovation (Home Innovation Research Labs)

Revision

BSR/ICC-700-201x, National Green Building Standard (revision of ANSI/ICC 700-2012)

The provisions of this Standard shall apply to design and construction of the residential portion(s) of any building, not classified as an institutional use, in all climate zones. This Standard shall also apply to subdivisions; building sites; building lots; accessory structures; and the residential portions of alterations, additions, renovations, mixed-use buildings, and historic buildings.

Single copy price: $25.00 (paper copy); Free (electronic copy)

Obtain an electronic copy from: www.homeinnovation.com/NGBS

Order from: Vladimir Kochkin, (301) 430-6249, vkochkin@HomeInnovation. com

Send comments (with copy to psa@ansi.org) to: Vladimir Kochkin, www. homeinnovation.com/NGBS

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

Revision

BSR/IAPMO Series 5000-201x, Cross-Connection Control Professional Qualifications Standard (revision and redesignation of ANSI/ASSE Series 5000-2009)

This standard establishes uniform minimum requirements for qualified backflow prevention assembly testers, cross-connection control surveyors, backflow prevention assembly repairers, fire-protection system cross-connection control testers and backflow prevention program administrators.

Single copy price: $60.00

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

Order from: Marianne Waickman, (708) 995-3015, marianne. waickman@asse-plumbing.org

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

ISA (International Society of Automation)

Revision

BSR/ISA 96.02.01-201x, Guidelines for the Specification of Electric Valve Actuators (revision of ANSI/ISA 96.02.01-2008)

This standard covers the development of specifications, minimum design requirements and sizing criteria for electric actuators. This standard is not intended to address the range of compact, light-duty low-torque electric actuators typically rated for less than 5.65 nm (50 in-lbs) and it is not intended for electrically powered actuators that use hydraulic fluid for power transmission (refer to ANSI/ISA 96.06.01).

Single copy price: $50.00

Obtain an electronic copy from: ebrazda@isa.org

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

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 230-201X, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010)

This standard describes recommended procedures for selecting and installing stationary electric motors and motor controllers rated 1000 volts or less. It also covers routine maintenance procedures to be followed after the installation is complete.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 700-201X, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)

This standard describes the application procedures for selecting and adjusting low-voltage overcurrent protective devices to achieve selective coordination.

Single copy price: $40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

SDI (ASC A250) (Steel Door Institute)

Revision

BSR A250.6-201x, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2003 (R2009))

It is the intention of this publication to furnish users and prospective users of standard steel doors and frames with practical information regarding accepted design methods for reinforcing and recommended practices for proper field preparation for builders' hardware.

Single copy price: $18.00

Obtain an electronic copy from: Sharyn Berki sab@wherryassoc.com

Order from: Sharyn Berki, sab@wherryassoc.com

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

UL (Underwriters Laboratories, Inc.)

New Standard

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

To resolve comments received by UL to a proposal dated April 10, 2015 to publish UL 203A as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 687-2011 (R201x), Standard for Safety for Burglary Resistant Safes (Proposal dated 9/25/15) (reaffirmation of ANSI/UL 687-2011)

These requirements cover combination locked burglary-resistant safes classified as follows: (a) Test attack against the door and front face: (1) Tool-Resistant Safe – Class TL-15, (2) Tool-Resistant Safe – Deposit Safe, (3) Tool-Resistant Safe – Class TL-30, (4) Torch- and Tool-Resistant Safe – Class TRTL-30; (b) Test attack against the door and body: (1) Tool-Resistant Safe – Class TL-15X6, (2) Tool-Resistant Safe – Class TL-30X6, (3) Torch- and Tool-Resistant Safe – Class TRTL-15X6, (4) Torch- and Tool-Resistant Safe – Class TRTL-30X6; (5) Torch- and Tool-Resistant Safe – Class TRTL -60X6; and (6) Torch-, Explosive-, and Tool-Resistant Safe – Class TXTL -60X6.

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: Linda Phinney, (408) 754 -6684, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 752-2006 (R201x), Standard for Safety for Bullet Resisting Equipment (Proposal dated 9/25/15) (reaffirmation of ANSI/UL 752-2006 (R2011))

These requirements cover materials, devices, and fixtures used to form bullet-resisting barriers which protect against robbery, holdup, or armed attack such as those by snipers. This standard can also be used to determine the bullet resistance of building components that do not fit the definition of equipment, such as windows, walls, or barriers made out of bullet-resistant materials.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (408) 754 -6684, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 972-2006 (R201x), Standard for Safety for Burglary Resisting Glazing Material (Proposal dated 9/25/15) (reaffirmation of ANSI/UL 972 -2006 (R2011))

These requirements cover clear, translucent, or opaque glazing material intended for indoor and outdoor use principally as a substitute for plate glass show windows or showcase panels. The material is intended to resist burglarious attacks of the “hit and run” type. These requirements do not cover the glazing (mounting) methods used for the installation of burglary-resisting glazing material.

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: Linda Phinney, (408) 754 -6684, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60079-25-2011 (R201x), Standard for Safety for Explosive Atmospheres - Part 25: Intrinsically Safe Electrical Systems (reaffirmation and redesignation of ANSI/ISA 60079-25 (12.02.05)-2011)

Reaffirmation and continuance of the Standard for Explosive Atmospheres - Part 25: Intrinsically Safe Electrical Systems.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549 -1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2013c)

Revisions of various construction and performance requirements in UL 746E are being proposed.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 924-201X, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2014)

Proposals for plug/connectors used for grounding or bonding; evaluation of electronic circuits that manage essential performance; derangement signal activation conditions; observation visibility test data analysis example correction; lamp replacement markings; light exposure method for photoluminescent exit signs with integral light sources; elimination of battery compartment ventilation test; split ambient temperature vs. output rating and recharge time for battery-powered equipment; modifying the temperature test limits from rise to absolute values; LED equipment to comply with applicable requirements of UL 8750; and use of flexible cords with emergency luminaires.

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: Barbara Davis, (408) 754 -6722, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 60745-2-15-201X, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers (Proposal Dated 05-08-2015) (revision of ANSI/UL 60745-2 -15-2013)

The following changes are being recirculated: Proposed changes to Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers: (1)New and revised requirements that address extended-reach hedge trimmers.

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: Casey Granata, (919) 549 -1054, Casey.Granata@UL.Com

Comment Deadline: November 24, 2015

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

Reaffirmation

INCITS 397-2005 (R2010), INCITS 397-2005/AM1-2007 (R2012), Information technology - AT Attachment with Packet Interface-7 (ATA/ATAPI -7) (reaffirmation of INCITS 397-2005 (R2010) and INCITS 397-2005/AM1 -2007 (R2012))

This standard specifies the AT Attachment Interface between host systems and storage devices. It provides a common attachment interface for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices.

Single copy price: $60.00

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

Order from: http://webstore.ansi.org

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

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

Withdrawal

INCITS/ISO/TS 19130:2010 [2011], Geographic information - Imagery sensor models for geopositioning (withdrawal of INCITS/ISO/TS 19130:2010 [2011])

ISO/TS 19130:2010 identifies the information required to determine the relationship between the position of a remotely sensed pixel in image coordinates and its geoposition. It supports exploitation of remotely sensed images. It defines the metadata to be distributed with the image to enable user determination of geographic position from the observations.

Single copy price: $60.00

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

Order from: http://webstore.ansi.org

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 299-201X, Standard for Safety for Dry Chemical Fire Extinguishers (revision of ANSI/UL 299-2012)

UL proposes a new edition of UL 299.

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

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

ISA (International Society of Automation)

ISA TR88.00.02-2015, Machine and Unit States: An implementation example of ANSI/ISA 88.00.01 (Technical Report) (technical report)

Since its inception, the OMAC Packaging Machine Language (PackML) group has been using a variety of information sources and technical documents to define a common approach, or machine language, for automated machines. The primary goals are to encourage a common “look and feel” across a plant floor, and to enable and encourage industry innovation. The PackML group is recognized globally and consists of control vendors, OEM’s, system integrators, universities, and end users, which collaborate on definitions that endeavor to be consistent with the ISA88 standards and consistent with the technology and the changing needs of a majority of automated machinery. The term “machine” used in this report is equivalent to an ISA88 “unit”.

This has led to the following: (1) A definition of machine/unit state types; (2) A definition of machine/unit control modes; (3) A definition of unit control mode management; (4) State models, state descriptions, and mode and state transitions; and (5) A definition of the minimum PackTags required for performance monitoring.

Single copy price: $180.00

Obtain an electronic copy from: base state model, functional programming, modular programming, discrete machine software, Weihenstephan, Production Data Acquisition, PDA

Order from: Eliana Brazda, ebrazda@isa.org

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

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Hae Choe*

Phone: (703) 253-8268

Fax: (703) 276-0793

E-mail: HChoe@aami.org; customerservice@aami.org

BSR/AAMI/IEC 80601-2-58/A1-201x, Medical electrical equipment - Part 2-58: Particular requirements for the basic safety and essential performance of lens removal and vitrectomy devices for ophthalmic surgery (Amendment 1) (addenda to ANSI/AAMI/IEC 80601-2-58 -2008)

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?view

BSR/AAMI/IEC 82304-1-201x, Health Software - Part 1: General requirements for product safety (identical national adoption of IEC 82304-1)

Obtain an electronic copy from: https://standards.aami.org/kws/groups/PUBLIC_REV/download/7110

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 220-201x, Reverberation Room Qualification and Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 220-2010)

BSR/AHRI Standard 901 (SI)-201x, Performance Rating of Thermal Storage Equipment Used for Cooling (revision of ANSI/AHRI Standard 901 (SI)-2010)

ASIS (ASIS International)

Office: 1625 Prince Street
Alexandria, VA 22314-2818

Contact: *Aivelis Opicka*

Phone: (703) 518-1439

Fax: (703) 518-1517

E-mail: standards@asisonline.org

BSR/ASIS ORM.1-201X, Security and Resilience in Organizations and their Supply Chain (revision, redesignation, and consolidation of ANSI/ASIS/BSI BCM.01-2010 and ANSI/ASIS SPC.1-2009)

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 2055-201x, Ad-hoc Personal Area Connectivity (new standard)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 96.02.01-201x, Guidelines for the Specification of Electric Valve Actuators (revision of ANSI/ISA 96.02.01-2008)

Obtain an electronic copy from: ebrazda@isa.org

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

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

Contact: *Barbara Bennett*

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/TS 19130:2010 [2011], Geographic information - Imagery sensor models for geopositioning (withdrawal of INCITS/ISO/TS 19130:2010 [2011])

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

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Sofia Arias*

Phone: (301) 215-4549

Fax: (301) 215-4500

E-mail: sofia.arias@necanet.org

BSR/NECA 230-201X, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010)

Obtain an electronic copy from: neis@necanet.org

BSR/NECA 700-201X, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)

Obtain an electronic copy from: neis@necanet.org

NSF (NSF International)

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

Contact: *Rachel Brooker*

Phone: (734) 827-6866

E-mail: rbrooker@nsf.org

BSR/NSF 173-201x (i50r2), Dietary Supplements (revision of ANSI/NSF 173-2013)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Phone: (770) 209-7277

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 810 om-201x, Bursting strength of corrugated board (revision and redesignation of ANSI/TAPPI T 810 om-2011)

UL (Underwriters Laboratories, Inc.)

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

Contact: *Derrick Martin*

Phone: (408) 754-6656

Fax: (408) 754-6656

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

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E -2013c)

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

BSR/UL 2452-201X, Standard for Safety for Electric Swimming Pool and Spa Cover Operators (new standard)

Call for Members (ANS Consensus Bodies)

UL Standards Committees

STP 2748 (Standards Technical Panel for Arc Fault Quenching Equipment)

STP 2748 is recruiting new participants in the following interest categories:

AHJ/Regulator: Those involved in the regulation or enforcement of the requirements of codes and standards at a regional (e.g., state or province) and/or local level. The authority having jurisdiction/regulator may be a regional or local department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, state department of insurance official, labor department, or health department; building official; electrical inspector; or others having statutory authority.
Commercial/Industrial User: Organizations that use the product, systems, or service covered by the pending Standard for Arc Fault Quenching Equipment, UL 2748, in a commercial or industrial setting. Examples include a restaurant owner/operator serving on an STP for commercial cooking equipment, or a gas station owner/operator serving on an STP for flammable liquid storage tanks. Representative of organizations that produce products, systems, or services covered by the standard, whose organization also uses the product, system, or services, are not eligible under this interest category.
General Interest: Consultants, members of academia, scientists, special experts, representatives of professional societies, representatives of trade associations, representatives of non-governmental organizations, representatives of companies that only private-brand label products (made by another manufacturer) covered by the STP, and other individuals, etc. that are not covered by the other interest categories.
Government: Representatives from national government agencies. For the U.S. representatives, these may include CPSC, FDA, EPA, DOT, DOE, DOD, NIST, etc. Also, representatives of regional (e.g. state or province) or local government bodies who do not fall under the AHJ/Regulator interest category.
Supply Chain: Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components; and installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by STP 2748, but solely use contract manufacturers to make the products are considered part of the supply chain category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the Supply Chain interest category.
Testing and Standards Organization: Organizations that test and/or certify products, services, or systems covered by the pending Standard for Arc Fault Quenching Equipment, UL 2748, or that develop standards/codes related to the products, services, or systems covered by the pending Standard.

STP 2748 covers the following document:: **UL 2748 (Arc Fault Quenching Equipment)**

Contact:

Derrick Martin
Underwriters Laboratories Inc.
455 East Trimble Road
San Jose, CA 95131-1230
PHONE: (408) 754-6656
FAX: (408) 754-6656

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.

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

ANSI X9.82-2-2015, Random Number Generation - Part 2: Entrophy Sources (new standard): 9/14/2015

Revision

ANSI X9.100-110-2015, Document Imaging Compatibility (revision of ANSI X9.100-110-2011): 9/16/2015

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B16.48-2015, Line Blanks (revision of ANSI/ASME B16.48-2010): 9/18/2015

CEA (Consumer Electronics Association)

New Standard

* ANSI/CEA 709.5-2015, Control Networking Protocol Specification: Part 5: Implementation - Application-Layer Guidelines (new standard): 9/16/2015

* ANSI/CEA 709.6-2015, Control Networking Protocol Specification: Part 6: Application Elements (new standard): 9/16/2015

CSA (CSA Group)

Revision

* ANSI Z21.24-2015, Connectors for Gas Appliances (same as CSA 6.10-201X) (revision of ANSI Z21.24-2005 (R2010) and ANSI Z21.24a-2008 (R2010)): 9/16/2015

EOS/ESD (ESD Association, Inc.)

New Standard

ANSI/ESD SP14.5-2015, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Near Field Immunity Scanning - Component/Module/PCB Level (new standard): 9/14/2015

GISC (ASC Z97) (Glazing Industry Secretariat Committee)

Revision

* ANSI Z97.1-2015, Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test (revision of ANSI Z97.1-2009): 9/15/2015

HI (Hydraulic Institute)

Revision

ANSI/HI 9.6.7-2015, Standard (Guideline) for Effects of Liquid Viscosity on Rotodynamic Pump Performance (revision of ANSI/HI 9.6.7-2010): 9/16/2015

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

New Standard

ANSI/ASSE Series 9000-2015, Professional Qualifications Standard for Firestop Systems and Smoke-Limiting Materials for Piping Systems (new standard): 9/18/2015

IEEE (Institute of Electrical and Electronics Engineers)

Revision

ANSI/IEEE 1801-2015, Standard for Design and Verification of Low-Power Integrated Circuits (revision of ANSI/IEEE 1801-2009): 9/15/2015

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 210-2015, Performance Metrics for Energy Efficiency and Functional Density of Cable Data Generation, Storage, Routing, and Transport Equipment (new standard): 9/18/2015

ANSI/SCTE 211-2015, Energy Metrics for Cable Operator Access Networks (new standard): 9/18/2015

Revision

ANSI/SCTE 145-2015, Test Method for Second Harmonic Distortion of Passives Using a Single Carrier (revision of ANSI/SCTE 145-2013): 9/18/2015

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 568.0-D-2015, Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568-C.0-2009, ANSI/TIA 568-C.0.1-2010, and ANSI/TIA 568-C.0.2 -2012): 9/14/2015

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 1876-2011 (R2015), Standard for Safety for Isolating Signal and Feedback Transformers for Use in Electronic Equipment (reaffirmation of ANSI/UL 1876-2011): 9/14/2015

Revision

ANSI/UL 218-2015, Standard for Fire Pump Controllers (revision of ANSI/UL 218-2009): 9/16/2015

ANSI/UL 218-2015a, Standard for Fire Pump Controllers (revision of ANSI/UL 218-2009): 9/16/2015

ANSI/UL 218-2015b, Standard for Fire Pump Controllers (revision of ANSI/UL 218-2009): 9/16/2015

* ANSI/UL 8750-2015b, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2014): 9/15/2015

* ANSI/UL 8750-2015c, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2015a): 9/15/2015

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.

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

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Suite 500
Arlington, VA 22201

Contact: *Daniel Abbate*

Fax: (703) 562-1942

E-mail: dabbate@ahrinet.org

BSR/AHRI Standard 270-201x, Sound Performance Rating of Outdoor Unitary Equipment (revision of ANSI/AHRI Standard 270-2008)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for outdoor unitary equipment: Definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions.

This standard applies to the outdoor sections of factory-made air-conditioning and heat-pump equipment as defined in ANSI/AHRI Standard 210/240, ANSI/AHRI Standard 340/360 (cooling capacity ratings of equal to or less than 40.0 kW), ANSI/AHRI Standard 1230, ANSI/AHRI Standard 1160 (I-P), and ANSI/AHRI Standard 1161 (SI). Products covered include: air-source unitary heat pumps, heat pump pool heaters, unitary air-conditioners, and Variable Refrigerant Flow (VRF) systems.

BSR/AHRI Standard 350-201x, Sound Performance Rating of Non-Ducted Indoor Air-Conditioning and Heat Pump Equipment (revision of ANSI/AHRI Standard 350-2008)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for non-ducted indoor air-conditioning and heat pump equipment: Definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions.

This standard applies to the indoor portions of factory-made Non-ducted Air-conditioning and Heat Pump Equipment as defined in ANSI/AHRI Standards 210/240, 340/360, 310/380, 440 and 1230. Products covered include but are not limited to: fan coils, air-source unitary heat pumps as well as unitary air-conditioners, water-source heat pumps, packaged terminal equipment, and variable refrigerant flow (VRF) systems.

BSR/AHRI Standard 840 (I-P)-201x, Performance Rating of Unit Ventilators (new standard)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for unit ventilators: Definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.

This standard applies to Unit Ventilators, defined in Section 3.6.

BSR/AHRI Standard 841 (SI)-201x, Performance Rating of Unit Ventilators (new standard)

Stakeholders: This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Project Need: The purpose of this standard is to establish for unit ventilators: Definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.

This standard applies to Unit Ventilators, defined in Section 3.6.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: *Carla VanGilder*

Fax: (269) 429-3852

E-mail: vangilder@asabe.org

BSR/ISO 3600-201x MONYEAR, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Operator's manuals - Content and format (identical national adoption of ISO 3600:2015)

Stakeholders: Manufacturers, consumers, government regulators.

Project Need: Nationally adopt the most current version of the ISO standard to ensure international harmonization.

This International Standard adoption specifies the content and gives guidance on the format of operator's manuals for tractors, machinery for agriculture and forestry, and powered lawn and garden equipment. It is intended to assist manufacturers of the machinery in the drafting and presentation of these manuals. Manuals intended for use by a service technician are not within the scope of this International Standard adoption.

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 WK51463-201x, New Specification for Treestands, Climbing Sticks and Tripod or Tower Stands (new standard)

Stakeholders: Treestands industry.

Project Need: The purpose of this new specification is to clarify and also consolidate current ASTM standards for treestands into a single uniform document.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK51463.htm

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 2055-201x, Ad-hoc Personal Area Connectivity (new standard)

Stakeholders: Hotels, manufacturers, service providers, consumers.

Project Need: To develop a standard for establishing ad-hoc networks of devices quickly and seamlessly, particularly in the case of consumer-owned (BYOD) devices brought into 3rd-party environments such as hotel rooms.

Standard for establishing ad-hoc networks of devices quickly and seamlessly, particularly in the case of consumer-owned (BYOD) devices brought into 3rd-party environments such as hotel rooms.

HL7 (Health Level Seven)

Office: 3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Contact: *Karen Van Hentenryck*
Fax: (734) 677-6622
E-mail: Karenvan@HL7.org

BSR/HL7 V3 SPL, R7-201x, HL7 Version 3 Standard: Structured Product Labeling, Release 7 (revision and redesignation of ANSI/HL7 V3 SPL, R6-201x)

Stakeholders: Pharmaceutical, regulatory agencies, healthcare.

Project Need: The ISO IDMP standards are based upon HL7's CPM as the information model. HL7 input is needed to ensure consistency with any associated CMETs and vocabulary requirements. The SPL R7 standard is also referenced as the data exchange format for IDMP information exchange. Due to the interdependencies with HL7 modeling and messaging constructs used for IDMP standards, ISO TC 215 Workgroup 6 believes it is important that the ISO Technical Specifications be reviewed in HL7.

SPL R7 is the data exchange format to support ISO IDMP Technical Specifications. This version encompasses all EU/EMA requirements for EU implementation utilizing HL7 SPL to support their legislative requirements for product registration and PV. It also includes an updated IDMP and CPM/SPL element mappings and gap analysis.

NEMA (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Contact: *Ryan Franks*
Fax: 703-841-3371
E-mail: ryan.franks@nema.org

BSR/ICEA S-83-596-201x, Standard for Indoor Optical Fiber Cable (revision of ANSI/ICEA S-83-596-2011)

Stakeholders: Optical fiber cable manufacturers, builders, and developers.

Project Need: This standard defines optical fiber cables intended for use in the buildings of communications users.

This standard defines optical fiber cables intended for use in the buildings of communications users. Materials, constructions and performance requirements are included in the Standard, together with applicable test procedures. Products covered by this standard are intended only for operation under conditions normally found in communication systems. Typically, these products are installed both in exposed areas (surface mounted to walls or building baseboards or in non-stationary configurations) and in concealed areas (within walls, attics, etc.), with or without external protection (such as conduit), depending upon product type and specific use. These products normally convey communications signals (voice, video, data, etc.) from place to place within a building. Products covered by this Standard may be factory terminated with connectors or splicing modules.

NISO (National Information Standards Organization)

Office: 3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Contact: *Nettie Lagace*
Fax: (410) 685-5278
E-mail: nlagace@niso.org

BSR/NISO Z39.102-201x, Standard Tag Set (STS) (new standard)

Stakeholders: Standards publishers and distributors, standards product owners, publishing suppliers, software developers, libraries.

Project Need: To formally standardize a tag set for standards publishing.

At the end of 2011, the International Organization for Standardization (ISO) revamped its publishing systems and together with Mulberry Technologies, Inc. developed a derivative of JATS (ANSI/NISO Z39.96 -2012 JATS: Journal Article Tag Suite) to be used for ISO standards publishing: the ISOSTS (ISO Standard Tag Set). This DTD has been in full production since, with few or no changes. Several standards development organizations and distributors in the US are planning to upgrade their publishing systems; some are already familiar with JATS and have investigated ISOSTS. However, there has been some reluctance to adopt ISOSTS as it is not currently an official standard. Concern also exists that if JATS is updated, its updates may not filter into ISOSTS. It would be beneficial to all stakeholders to move ISOSTS toward standardization and create an official relationship with JATS.

NW&RA (ASC Z245) (National Waste & Recycling Association)

Office: 4301 Connecticut Ave, Suite 300
Washington, DC 20008

Contact: *Bret Biggers*

E-mail: bbiggers@wasterecycling.org

BSR Z245.22-201x, Equipment Technology and Operations for Wastes and Recyclable Materials - Compactor Ratings (new standard)

Stakeholders: Compactor manufacturers, buyers and users of compactors, environmental industry, solid waste industry, field engineers, procurement officials.

Project Need: To provide manufacturers and users of compaction equipment with a common denominator for accurate comparison of the many different models of stationary compaction equipment.

This standard will set forth criteria for rating stationary compactors using specific physical and performance characteristics. Uniform formulas, testing, and classification can be used to help users compare compactors.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 810 om-201x, Bursting strength of corrugated board (revision and redesignation of ANSI/TAPPI T 810 om-2011)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

This method describes a procedure for measuring the bursting strength of single-wall and double-wall corrugated board within the range of 690 kPa (100 psi) to 4825 kPa (700 psi), employing an instrument which uses a disk-shaped, molded diaphragm.

BSR/TAPPI T 1501 om-201x, Training standard for paper machine tender (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise it if needed to address new technology or correct errors.

The purpose of this standard is to provide guidelines for skills and knowledge needed by a paper machine tender, often referred to as the paper machine first hand. The standard will be useful as a measure of the capabilities and understanding that a person must have to successfully perform the machine tender function.

UL (Underwriters Laboratories, Inc.)

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

Contact: *Barbara Davis*

Fax: (408) 754-6722

E-mail: Barbara.J.Davis@ul.com

* BSR/UL 2452-201X, Standard for Safety for Electric Swimming Pool and Spa Cover Operators (new standard)

Stakeholders: Manufacturers of electric swimming pool and spa cover operators, AHJs, installers, swimming pool builders.

Project Need: To obtain national recognition of a standard covering electric swimming pool cover operators intended for installation and use in accordance with Article 680 of the National Electrical Code, NFPA 70.

This standard covers electric swimming-pool cover operators intended for installation and use in accordance with Article 680 of the National Electrical Code, NFPA 70. These requirements address, but are not limited to, fire, electric shock and casualty hazards. They also address units employing motors that are connected to isolated sources from a supplied power supply or transformer which is separately enclosed and installed remote from the swimming pool.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Dr.
Research Triangle Park, NC 27709

Contact: *Nicolette Allen*

Fax: (919) 549-0973

E-mail: Nicolette.Allen@ul.com

BSR/UL 1384-201X, Standard for Safety for Water-Based Automatic Extinguisher Units (new standard)

Stakeholders: Manufacturers and users of water-based automatic extinguisher units.

Project Need: To obtain national recognition of a standard covering water-based automatic extinguisher units.

These requirements cover the construction and operation of water-based automatic extinguisher units intended for total flooding applications when installed, inspected, tested, and maintained in accordance with the manufacturer's instructions. Automatic extinguisher units do not have a manual means of operation, and are not intended for protection of fire risks larger than those specified in the manufacturer's instructions for a single unit by using multiple units.

VC (ASC Z80) (The Vision Council)

Office: 225 Reinekers Lane
Suite 700
Alexandria, VA 22314

Contact: *Amber Robinson*

Fax: (703) 548-4580

E-mail: arobinson@thevisioncouncil.org

BSR Z80.36-201x, Light hazard protection for ophthalmic instruments (new standard)

Stakeholders: The spectacle lens manufacturing industry, the ophthalmic clinical community, the optical dispensing industry, the contact lens manufacturing industry.

Project Need: The International Standard, ISO 15004-2, Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection, in its current version does not properly address, in the view of experts from the Untied States, certain important aspects of radiation safety for ophthalmic instruments. To properly address these issues, the United States needs to create its own standard for light hazard protection for ophthalmic instruments.

Z80.36 specifies fundamental requirements for optical radiation safety for ophthalmic instruments and is applicable to all current ophthalmic instruments that direct optical radiation into or at the eye. It is also applicable to all new and emerging ophthalmic instruments that direct optical radiation into or at the eye, as well as to those portions of therapeutic or surgical systems that direct optical radiation into or at the eye for diagnostic, illumination, measurement, imaging, or alignment purposes. Z80.36 does not apply to radiation that is intended for treatment of ocular tissues.

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.

AAMI
Association for the Advancement of Medical Instrumentation

4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8268
Fax: (703) 276-0793
Web: www.aami.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute

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

ANS
American Nuclear Society

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

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

ASC X9
Accredited Standards Committee X9, Incorporated

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

ASME
American Society of Mechanical Engineers

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

ASTM
ASTM International

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

B11
B11 Standards, Inc.

PO Box 690905
Houston, TX 77269-0905
Phone: (832) 446-6999

BPI
Building Performance Institute

107 Hermes Road
Suite 110
Malta, NY 12020
Phone: (877) 274-1274
Fax: (866) 777-1274
Web: www.bpi.org

CEA
Consumer Electronics Association

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

CSA
CSA Group

8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

EOS/ESD
ESD Association

7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Fax: (315) 339-6793
Web: www.esda.org

GISC (ASC Z97)
Glazing Industry Secretariat Committee

730 Worcester Street
Springfield, MA 01151
Phone: (413) 730-3413
Fax: (508) 861-0127
Web: www.ansiz97.com

HI
Hydraulic Institute

6 Campus Drive, 1st Floor North
Parsippany, NJ 07054
Phone: (973) 267-9700
Fax: (973) 267-9055
Web: www.pumps.org

HL7
Health Level Seven

3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777
Fax: (734) 677-6622
Web: www.hl7.org

Home Innovation
Home Innovation Research Labs

400 Prince George's Boulevard
Upper Marlboro, MD 20774-8731
Phone: (301) 430-6249
Fax: (301) 430-6182
Web: www.HomeInnovation.com

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO

18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015
Fax: (708) 479-6139
Web: www.asse-plumbing.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)

445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

IPC
IPC - Association Connecting Electronics Industries

3000 Lakeside Drive
Suite 309-S
Bannockburn, IL 60015
Phone: (847) 597-2842
Fax: (847) 615-5642
Web: www.ipc.org

ISA (Organization)
International Society of Automation

67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Fax: (919) 549-8288
Web: www.isa.org

ITI (INCITS)
InterNational Committee for Information Technology Standards

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

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

NEMA (ASC C8)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3271
Fax: 703-841-3371
Web: www.nema.org

NISO
National Information Standards Organization

3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Phone: (301) 654-2512
Fax: (410) 685-5278
Web: www.niso.org

NSF
NSF International

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

NW&RA (ASC Z245)
National Waste & Recycling Association

4301 Connecticut Ave, Suite 300
Washington, DC 20008
Phone: (202) 364-3710
Web: www.wasterecycling.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

SDI (ASC A250)
Steel Door Institute

30200 Detroit Road
Westlake, OH 44145
Phone: (440) 899-0010
Fax: (440) 892-1404
Web: www.wherryassocsteeldoor.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7277
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

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

VC (ASC Z80)
The Vision Council

225 Reinekers Lane
Suite 700
Alexandria, VA 22314
Phone: (703) 740-1094
Fax: (703) 548-4580
Web: www.z80asc.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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 16654/DAmd1, Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Escherichia coli O157 - Amendment 1: Annex B: Result of interlaboratory studies - 12/21/2015, $40.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 17666, Space systems - Risk management - 12/21/2015, $77.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 8201, Acoustics - Audible and other emergency evacuation signals - 12/21/2015, $40.00

ERGONOMICS (TC 159)

ISO/DIS 9241-11, Ergonomics of human-system interaction - Part 11: Usability: Definitions and concepts - 12/21/2015, $93.00

ISO/DIS 9241-112, Ergonomics of human-system interaction - Part 112: Principles for the presentation of information - 8/10/2015, $77.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO/DIS 9349, Preinsulated ductile iron pipeline systems - 12/21/2015, $46.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 15552, Pneumatic fluid power - Cylinders with detachable mountings, 1 000 kPa (10 bar) series, bores from 32 mm to 320 mm - Basic, mounting and accessories dimensions - 12/21/2015, $67.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 6420, Hydrometry - Position fixing equipment for hydrometric boats - 12/21/2015, $53.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 17068, Information and documentation - Trusted third party repository for digital records - 12/21/2015, $107.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 15261/DAmd1, Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Escherichia coli O157 - Amendment 1 - 12/21/2015, FREE

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 10880, Non-destructive testing - Infrared thermographic testing - General principles - 12/21/2015, $46.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 15741, Paints and varnishes - Friction-reduction coatings for the interior of on- and offshore steel pipelines for non-corrosive gases - 12/21/2015, $82.00

ROAD VEHICLES (TC 22)

ISO/DIS 16845-1, Road vehicles - Controller area network (CAN) conformance test plan - Part 1: Data link layer and physical signaling - 12/21/2015, $194.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 19697, Ships and marine technology - Navigation and ship operations - Electronic inclinometers - 12/20/2015, $77.00

SOLID BIOFUELS (TC 238)

ISO/DIS 18125, Solid biofuels - Determination of calorific value - 12/21/2015, $125.00

THERMAL INSULATION (TC 163)

ISO/DIS 17772-1, Energy performance of buildings - Indoor environmental Quality - Part 1: Indoor environmental input parameters for the design and assessment of energy performance of buildings - 12/21/2015, $107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18367, Information technology - Security techniques - Cryptographic algorithms and security mechanisms conformance testing - 10/15/2015, $134.00

ISO/IEC DIS 13157-2, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 2: NFC-SEC cryptography standard using ECDH and AES - 10/15/2015, $71.00

ISO/IEC DIS 13157-3, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 3: NFC-SEC cryptography standard using ECDH-256 and AES-GCM - 10/15/2015, $46.00

ISO/IEC DIS 13157-4, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 4: NFC-SEC entity authentication and key agreement using asymmetric cryptography - 10/15/2015, $88.00

ISO/IEC DIS 13157-5, Information technology - Telecommunications and information exchange between systems - NFC Security - Part 5: NFC-SEC entity authentication and key agreement using symmetric cryptography - 10/15/2015, $58.00

IEC Standards

2/1803/FDIS, IEC 60034-27-3 Ed.1: Rotating electrical machines - Part 27-3: Dielectric dissipation factor measurement on stator winding insulation of rotating electrical machines, 11/20/2015

8A/23/NP, Grid integration of renewable energy generation - Terms, definitions and symbols, 12/18/2015

9/2058/CDV, IEC 62846 Ed.1: Railway applications - Current collection systems - Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line, 12/18/2015

31J/257/DC, Draft revision of IEC 60079-17: Explosive atmospheres - Part 17: Electrical installations inspection and maintenance, 11/27/2015

36/370/CDV, IEC 62772 Ed. 1.0: Composite Hollow Core Station Post Insulators for substations with a.c. voltage greater than 1000 V and d.c. voltage greater than 1500V- Definitions, test methods and acceptance criteria, 12/18/2015

45/790/CD, IEC 62976 Ed.1: Industrial non-destructive testing equipment - Electron linear accelerator, 12/18/2015

45A/1033/CDV, IEC 62646 Ed.2: Nuclear power plants - Control rooms - Computer based procedures, 12/18/2015

45A/1040/CD, IEC 60772 Ed.2: Nuclear power plants - Instrumentation systems important to safety - Electrical penatration assemblies in containment structures, 12/18/2015

45B/822/FDIS, IEC 60846-2 Ed.2: Radiation protection instrumentation - Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation - Part 2: High range beta and photon dose and dose rate portable instruments for emergency radiation protection, 11/20/2015

46/576/CD, IEC 62153-4-17: Metallic Communication Cable test methods - Part 4-17: Electromagnetic compatibility (EMC) - Reduction factor test method, 12/18/2015

47D/863/CDV, IEC 60191-2 f70 Ed.1: Proposed new package outline - P-ZMP-P165, 12/18/2015

47D/864/CDV, IEC 60191-2 f71 Ed.1: Proposed new package outline - P-ZMP-P89, 12/18/2015

57/1621/DC, Proposed draft for IEC TR 62357-1 Ed. 2, Power systems management and associated information exchange - Part 1: Reference architecture" (Revision of IEC TR 62357-1 Ed. 1, 2012), 12/18/2015

77A/911/DTR, IEC TR 61000-1-7: Electromagnetic compatibility (EMC) - Part 1-7: General - Power factor in single phase systems under non-sinusoidal conditions, 11/20/2015

82/1028/DTS, IEC 62257-9-1 TS Ed.2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -1: Micropower systems, 12/18/2015

82/1029/DTS, IEC 62257-9-2 TS Ed.2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -2: Microgrids, 12/18/2015

82/1030/DTS, IEC 62257-9-3 TS Ed.2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -3: Integrated system - User interface, 12/18/2015

82/1031/DTS, IEC 62257-9-4 TS Ed.2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -4: Integrated system - User installation, 12/18/2015

82/1034/NP, Measurement procedures for materials used in photovoltaic modules - Part 5-2: Edge-Seal durability evaluation guideline (proposed future IEC 62788-5-2), 12/18/2015

82/1035/NP, Terrestrial photovoltaic (PV) systems - Guideline for increased confidence in PV system installation, 12/18/2015

87/584A/CD, Amendment 2 to IEC 62127-2: Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields up to 40 MHz, 11/13/2015

87/586/NP, Measurement of ultrasound field parameters at high pressure therapeutic levels in water, 12/18/2015

89/1284/CDV, IEC 60695-8-2/Ed1: Fire hazard testing - Part 8-2: Heat release - Summary and relevance of test methods, 12/18/2015

91/1301/NP, Future IEC 61189-2-XXX Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-XXX: Test methods for printed board and assembly materials - Moisture absorption after pressure vessel conditioning, 12/18/2015

100/2571/CD, IEC 62087-7/Ed1: Audio, video and related equipment - Methods of measurement for power consumption - Part 7: Computer Monitors, 12/18/2015

104/663/CD, IEC 60068-2-5 Ed.3: Environmental testing - Part 2-5: Tests - Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing, 12/18/2015

105/554/DC, Proposed revision of IEC 62282-2 Ed. 2 (2012), "Fuel cell technologies - Part 2: Fuel cell modules", 11/20/2015

111/394/DC, IEC TC111 - Proposal for a group to conduct tasks relating to GHG, 11/06/2015

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 10519:2015, Rapeseed - Determination of chlorophyll content - Spectrometric method, $51.00

CORK (TC 87)

ISO 2031:2015, Granulated cork - Determination of apparent bulk density, $51.00

ISO 4708:2015, Composition cork - Gasket material - Test methods, $88.00

DENTISTRY (TC 106)

ISO 10650:2015, Dentistry - Powered polymerization activators, $123.00

GAS CYLINDERS (TC 58)

ISO 11118:2015, Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods, $173.00

ISO 16964:2015, Gas cylinders - Flexible hoses assemblies - Specification and testing, $123.00

HEALTH INFORMATICS (TC 215)

ISO 14199:2015, Health informatics - Information models - Biomedical Research Integrated Domain Group (BRIDG) Model, $88.00

ISO 21549-5:2015, Health informatics - Patient healthcard data - Part 5: Identification data, $88.00

IMPLANTS FOR SURGERY (TC 150)

ISO 13356:2015, Implants for surgery - Ceramic materials based on yttria-stabilized tetragonal zirconia (Y-TZP), $123.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 13373-3:2015, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 3: Guidelines for vibration diagnosis, $200.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 12853:2015, Microscopes - Information provided to the user, $51.00

ISO 19056-1:2015, Microscopes - Definition and measurement of illumination properties - Part 1: Image brightness and uniformity in bright field microscopy, $51.00

OTHER

ISO 18219:2015, Leather - Determination of chlorinated hydrocarbons in leather - Chromatographic method for short-chain chlorinated paraffins (SCCP), $51.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 16900-7:2015, Respiratory protective devices - Methods of test and test equipment - Part 7: Practical performance test methods, $88.00

PLAIN BEARINGS (TC 123)

ISO 19259:2015, Plain bearings - Bearings with embedded solid lubricants, $88.00

PLASTICS (TC 61)

ISO 10364:2015, Structural adhesives - Determination of the pot life (working life) of multi-component adhesives, $88.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 9563:2015, Belt drives - Electrical conductivity of antistatic endless synchronous belts - Characteristics and test method, $51.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 1126:2015, Rubber compounding ingredients - Carbon black - Determination of loss on heating, $88.00

ISO 5772:2015, Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems - Specification, $149.00

ISO 8312:2015, Rubber compounding ingredients - Stearic acid - Definition and test methods, $149.00

ISO 20299-1:2015, Film for wrapping rubber bales - Part 1: Butadiene rubber (BR) and styrene-butadiene rubber (SBR), $51.00

SECURITY (TC 292)

ISO 18788:2015, Management system for private security operations - Requirements with guidance for use, $265.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 6218:2015, Inland navigation vessels - Manually- and power-operated coupling devices for pushing units and coupled vessels - Safety requirements and main dimensions, $123.00

STEEL (TC 17)

ISO 16574:2015, Determination of percentage of resolvable pearlite in high carbon steel wire rod, $51.00

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

ISO 16840-6:2015, Wheelchair seating - Part 6: Simulated use and determination of the changes in properties of seat cushions, $173.00

TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

ISO 18599:2015, Textile machinery and accessories - Strips for water jet solidification, $51.00

TEXTILES (TC 38)

ISO 18782:2015, Textiles - Determination of dynamic hygroscopic heat generation, $123.00

WATER QUALITY (TC 147)

ISO 17244:2015, Water quality - Determination of the toxicity of water samples on the embryo-larval development of Japanese oyster (Crassostrea gigas) and mussel (Mytilus edulis or Mytilus galloprovincialis), $149.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

ISO/TS 17975:2015, Health informatics - Principles and data requirements for consent in the Collection, Use or Disclosure of personal health information, $173.00

SECURITY (TC 292)

ISO/TS 22317:2015, Societal security - Business continuity management systems - Guidelines for business impact analysis (BIA), $173.00

ISO/TS 22318:2015, Societal security - Business continuity management systems - Guidelines for supply chain continuity, $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 9075-2/Cor2:2015, Information technology - Database languages - SQL - Part 2: Foundation (SQL/Foundation) - Corrigendum 2, FREE

ISO/IEC 9075-4/Cor2:2015, Information technology - Database languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM) - Corrigendum 2, FREE

ISO/IEC 9594-6/Cor1:2015, Information technology - Open Systems Interconnection - The Directory - Part 6: Selected attribute types - Corrigendum, FREE

ISO/IEC 9594-8/Cor1:2015, Information technology - Open Systems Interconnection - The Directory - Part 8: Public-key and attribute certificate frameworks - Corrigendum, FREE

ISO/IEC 13818-1/Amd1:2015, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Delivery of timeline for external data, FREE

ISO/IEC 14763-2/Amd1:2015, Information technology - Implementation and operation of customer premises cabling - Part 2: Planning and installation - Amendment 1, $22.00

ISO/IEC 14888-2/Cor1:2015, Information technology - Security techniques - Digital signatures with appendix - Part 2: Integer factorization based mechanisms - Corrigendum, FREE

ISO/IEC 19794-6/Amd1:2015, Information technology - Biometric data interchange formats - Part 6: Iris image data - Amendment 1: Conformance testing methodology and clarification of defects, $200.00

ISO/IEC 23008-2/Amd1:2015, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 1: 3D video extensions, $265.00

ISO/IEC 9075-14/Cor2:2015, Information technology - Database languages - SQL - Part 14: XML-Related Specifications (SQL/XML) - Corrigendum, FREE

ISO/IEC 15438:2015, Information technology - Automatic identification and data capture techniques - PDF417 bar code symbology specification, $265.00

ISO/IEC 17823:2015, Colour terminology for office colour equipment, $123.00

ISO/IEC 17960:2015, Information technology - Programming languages, their environments and system software interfaces - Code signing for source code, $88.00

ISO/IEC 19987:2015, Information technology - EPC Information services - Specification, $265.00

ISO/IEC 19988:2015, Information technology - GS1 Core Business Vocabulary (CBV), $240.00

ISO/IEC 20243:2015, Information Technology - Open Trusted Technology ProviderTM Standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products, $173.00

ISO/IEC TS 19841:2015, Technical Specification for C++ Extensions for Transactional Memory, $173.00

ISO/IEC TS 20027:2015, Biometrics interoperability profiles - Best practices for slap tenprint captures, $123.00

ISO/IEC TS 30103:2015, Software and Systems Engineering - Lifecycle Processes - Framework for Product Quality Achievement, $200.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 62680-2-1 Ed. 1.0 en:2015, Universal serial bus interfaces for data and power - Part 2-1: Universal Serial Bus Specification, Revision 2.0, $411.00

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

IEC 61169-53 Ed. 1.0 b:2015, Radio-frequency connectors - Part 53: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 16 mm with screw lock - Characteristic impedance 50 Ω (Type S7-16), $157.00

ELECTRICAL INSTALLATIONS FOR THE LIGHTING AND BEACONING OF AERODROMES (TC 97)

IEC 62870 Ed. 1.0 b:2015, Electrical installations for lighting and beaconing of aerodromes - Safety secondary circuits in series circuits - General safety requirements, $97.00

ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)

IEC 60068-2-39 Ed. 2.0 b:2015, Environmental testing - Part 2-39: Tests - Tests and guidance: Combined temperature or temperature and humidity with low air pressure tests, $85.00

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

IEC 62321-7-1 Ed. 1.0 b:2015, Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method, $121.00

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

IEC 62052-31 Ed. 1.0 en:2015, Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests, $411.00

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

IEC 60599 Ed. 3.0 en:2015, Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis, $290.00

IEC 60599 Ed. 3.0 b:2015, Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis, $254.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 60534-8-4 Ed. 3.0 b:2015, Industrial-process control valves - Part 8-4: Noise considerations - Prediction of noise generated by hydrodynamic flow, $230.00

IEC 61987-21 Ed. 1.0 b:2015, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 21: List of Properties (LOP) of automated valves for electronic data exchange - Generic structures, $230.00

IEC 61987-22 Ed. 1.0 b:2015, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 22: Lists of Properties (LOPs) of valve body assemblies for electronic data exchange, $73.00

IEC 61987-23 Ed. 1.0 b:2015, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 23: Lists of Properties (LOPs) of actuators for electronic data exchange, $61.00

IEC 61987-24-1 Ed. 1.0 b:2015, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 24-1: List of Properties (LOPs) of positioners and I/P converters for electronic data exchange, $61.00

OTHER

CISPR/TR 16-3 Amd.2 Ed. 3.0 en:2015, Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 3: CISPR technical reports, $55.00

CISPR/TR 16-3 Ed. 3.2 en:2015, Specification for radio disturbance and immunity measuring apparatus and methods - Part 3: CISPR technical reports, $605.00

IEC Technical Reports

SWITCHGEAR AND CONTROLGEAR (TC 17)

IEC/TR 62271-307 Ed. 1.0 b:2015, High-voltage switchgear and controlgear - Part 307: Guidance for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, $278.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

- **Producer – Hardware**

  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

  This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC Z245 – Equipment Technology & Operations for Wastes & Recyclable Materials

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of Accredited Standards Committee Z245, Equipment Technology & Operations for Wastes & Recyclable Materials has been approved under the ASC's recently revised operating procedures for documenting consensus on ASC Z245-sponsored American National Standards, effective September 23, 2015. For additional information, please contact the Secretariat of ASC Z245: Mr. Bret Biggers, Director, Statistics & Standards, National Waste & Recycling Association, 4301 Connecticut Avenue #300, Washington, DC 20009; phone: 202.364.3710; e-mail: bbiggers@wasterecycling.org.

American Institute of Aeronautics and Astronautics

On behalf of ANSI's Executive Standards Council, the reaccreditation of the American Institute of Aeronautics and Astronautics, an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on AIAA-sponsored American National Standards, has been approved effective September 22, 2015. For additional information, please contact: Ms. Hillary Woehrle, Standards Manager, American Institute of Aeronautics and Astronautics, 1801 Alexander Bell Drive, Suite 500, Reston, VA 20191-4344; phone: 703.264.7546; e-mail: hillaryw@aiaa.org.

American Society of Plumbing Engineers (ASPE)

On behalf of ANSI's Executive Standards Council, the reaccreditation of the American Society of Plumbing Engineers (ASPE), an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ASPE-sponsored American National Standards has been approved effective September 24, 2015. For additional information, please contact: Ms. Gretchen Pienta, Director, Publications & Standards, American Society of Plumbing Engineers, 6400 Shafer Court, Suite 350, Rosemont, IL 60018; phone: 847.296.0002; e-mail: gpienta@aspe.org.

Human Factors and Ergonomics Society (HFES)

On behalf of ANSI's Executive Standards Council, the reaccreditation of the Human Factors and Ergonomics Society (HFES), an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on HFES-sponsored American National Standards has been approved effective September 22, 2015. For additional information, please contact: Ms. Lynn Strother, Executive Director, Human Factors and Ergonomics Society, P.O. Box 1369, Santa Monica, CA 90406-1369; phone: 310.394.1811; e-mail: lynn@hfes.org.

IEEE

ANSI's Executive Standards Council has approved the reaccreditation of IEEE, an ANSI Organizational Member and Accredited Standards Developer, under its recently revised IEEE Standards Association Standards Board Operating Manual and Standards Board Bylaws for documenting consensus on IEEE-sponsored American National Standards, effective September 17, 2015. For additional information, please contact: Mr. David Ringle, Director, IEEE-SA Governance, Institute of Electrical and Electronics Engineers, 445 Hoes Lane, Piscataway, NJ 08854-4141; phone: 732.562.3806; e-mail: d.ringle@ieee.org.

Reaccreditation

Nuclear Information and Records Management Association

Comment Deadline: October 26, 2015

The Nuclear Information and Records Management Association, an ANSI organizational member and Accredited Standards Developer, has submitted to ANSI revisions to its currently accredited operating procedures for documenting consensus on NIRMA-sponsored American National Standards, under which it was last reaccredited in 2009. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Rebecca Wessman, President, NIRMA, 2807 W. County Road 75, Monticello, MN 55362; phone: 763.295.1086; e-mail: Rebecca.wessman@xenuclear.com. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to NIRMA by October 26, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization (ISO)

International Workshop Agreement Proposal and New Work Item Proposal

Sustainable non-sewered sanitation systems

Comment Deadline: October 16, 2015

ANSI, working with the Bill and Melinda Gates Foundation, intends to submit to ISO an International Workshop Agreement Proposal and New Work Item Proposal on the subject of Sustainable non-sewered sanitation systems, with the following scope statement:

> The international standard will define criteria to qualify sanitation systems sufficiently especially in terms of safety, functionality, reliability, maintainability, usability, and that the discharge (treated effluent) are compliant with leading practices. The aim of the standard is to ensure safety aspects related to the operation of the sanitation systems in the intended areas of use and that the treated discharged products pose no user, operator health or environment risks. The standard is applicable to individual and community sanitation systems which are self-contained, meet defined discharge requirements, and aim for sustainability regardless of the on-site treatment technology.

Anyone wishing to review either proposal can request a copy 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 October 16, 2015.

U.S. Technical Advisory Groups

Approval of Reaccreditation

U.S. TAG to ISO TC 20/SC 13 – Space Data and Information Transfer Systems; TC 20/SC 14 – Space Systems and Operations; TC 20/SC 16 – Unmanned Aircraft Systems; and TC 20/SC 17 – Aircraft Infrastructure

ANSI's Executive Standards Council has approved the reaccreditation of the U.S. Technical Advisory Groups to ISO TC 20/SC 13, Space data and information transfer systems; TC 20/SC 14, Space systems and operations; TC 20/SC 16, Unmanned aircraft systems; and TC 20/SC 17, Airport infrastructure under their recently revised operating procedures, effective September 18, 2015. For additional information, please contact the TAG Administrator: Ms. Hillary Woehrle, Standards Manager, American Institute of Aeronautics and Astronautics, 1801 Alexander Bell Drive, Suite 500, Reston, VA 20191-4344; phone: 703.264.7546; e-mail: hillaryw@aiaa.org.

Meeting Notice

AHRI Meeting

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

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on October 9 from 10 a.m. to 12 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Anuj Mistry at amistry@ahrinet.org.

Information Concerning

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in Accordance with ISO/IEC 17065

ACB, Inc.

Comment Deadline: October 26, 2015

Category: ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065

Ms. Susan Holman
Financial & HR Manager/Quality Assurance Rep.
ACB, Inc.
6731 Whittier Avenue, Suite C110
McLean, VA 22101
Tel: 703-847-4700
Fax: 703-847-6888
E-mail: susan@atcb.com
www.ACBcert.com

On September 23, 2015, ACB, Inc., an ANSI-accredited certification body, was granted Accreditation in accordance with ISO/IEC 17065 for the following scopes:

FCC (A1) Unlicensed Radio Frequency Devices
FCC (A2) Unlicensed Radio Frequency Devices
FCC (A3) Unlicensed Radio Frequency Devices
FCC (A4) Unlicensed Radio Frequency Devices
FCC (B1) Licensed Radio Frequency Devices
FCC (B2) Licensed Radio Frequency Devices
FCC (B3) Licensed Radio Frequency Devices
FCC (B4) Licensed Radio Frequency Devices

IC Radio Scope 1 – License-exempt Radio Frequency Devices
IC Radio Scope 2 – Licensed Personal Mobile Radio Services
IC Radio Scope 3 – Licensed General Mobile and Fixed Radio Services
IC Radio Scope 4 – Licensed Maritime and Aviation Radio Services
IC Radio Scope 5 – Licensed Fixed Microwave Radio Services

B. Japan MIC Radio Law
- B1. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- B2. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- B3. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

Please send your comments by October 26, 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: rfigueir@ansi.org., or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

Revisions to ANSI/BPI-2400-S-2012 Standard Practice for Standardized Qualification of Whole-House Energy Savings Predictions by Calibration to Energy Use History (September 2015)

[Note – Proposed revisions are seen below using strikeout for removal of old text and underline for proposed text. Only the marked-up text is available for comment. To request a copy of the full draft standard and/or to submit comments, contact standards@bpi.org]

3. 2 Detailed Calibration

3.2.1 Detailed Calibration Procedure

A detailed calibration of an operational model shall be used for homes with available utility bills that meet data quality requirements outlined in Section 3.2.2., and for which the calibration criteria in Section 3.2.2 can be achieved. If the utility data and calibration do not meet these criteria for one or more fuel(s), then simplified calibration (Section 3.3) shall be used for those fuel(s). The detailed calibration requires the following steps:

A. Determine that available utility bills meet the requirements of Section 3.2.2.

B. Conduct a pre-retrofit operational model, respecting constraints in Section 3.4.

C. Calibrate the operational model using one of two approaches: (a) weather-normalization of utility data, or (b) energy model with actual weather.

   a. Weather-normalization of utility data:
      i. Run the operational model, respecting the input constraints in Section 3.4, using normal (i.e. TMY2 or TMY3) weather assumptions.
      ii. Run a regression of energy usage against local dry bulb temperatures or Heating Degree Day/Cooling Degree Day (HDD/CDD) for the time span of the usage data. This will separate baseload usage and determine temperature or degree-day dependence of heating and cooling usage for the period of the billing data, for each energy source. The regression shall be conducted using a linear or change-point linear model in accordance with ASHRAE Guideline 14, Annex D, Section D2s 1, 2, and 4.
      iii. Weather-normalize the heating and/or cooling energy usage by applying the temperature - dependence of that usage determined in Step ii, to the normal weather conditions used for Step i, resulting in estimates of normalized baseload, heating, and cooling.
      iv. Compare the modeled energy usage to the weather-normalized energy usage following the criteria of Section 3.2.32.A.
      v. Input adjustments may be made to the operational model to meet the criteria of Section 3.2.32.A. This may be done by the user, or by the software, respecting all required input constraints in Section 3.4.
         1. Note: When adjusting inputs to achieve an acceptable match between the operational model and the historical energy consumption, a systematic approach that prioritizes inputs with higher uncertainty and larger influence on the results model shall be used. adjusted before inputs with lower uncertainty

and smaller influence on the model; hHowever, inputs that represent actual measurements or direct observations shall not be adjusted to achieve calibration. Examples of inputs that can have high uncertainty and large influence on the model include the R-values of uninsulated assemblies, duct or shell leakage that is not measured, use intensity of miscellaneous electric loads such as dehumidifier, etc. There can be multiple ways to adjust inputs in order to achieve sufficient agreement between model predictions and utility data. Thus, it is import to carefully select which inputs are adjusted, and in cases where multiple calibration solutions are obtained, to select the solution that is believed to be the most realistic and probable match. Statistical methods to estimate probable solutions, if available, are preferred over manual adjustments. The selected operational model that achieves an acceptable match is the calibrated pre-retrofit operational model.

or:

a. Energy model with actual weather:

vi. Run the operational model, respecting the input constraints in Section 3.4, using actual weather data representing the same time span as the utility billing period (including actual dry-bulb temperatures at a minimum; "actual weather data" may include actual or normal data for other weather conditions such as solar radiation).

vii. For each fuel, compare the modeled energy usage to the actual energy usage over the same billing period time spans, following the criteria of Section 3.2.32.B.

viii. Input adjustments ([refer to 3.2.1(C)(a)(v)]) may be made to the pre-retrofit operational model to meet the criteria of Section 3.2.32.B. This may be done by the user, or by the software, respecting all required input constraints in Section 3.4.

ix. Replace the actual weather data with normal (e.g., TMY2 or TMY3) weather data to generate the calibrated pre-retrofit operational model.

3.2.3 Detailed Model Calibration Acceptance Criteria

If the acceptance criteria under section A or B below (as appropriate) are not met, the simplified calibration procedure (section 3.3) may be used as an alternate.

A. Acceptance Criteria for Simulation results using Weather-Normalized Utility Data

The Bias Error (BE) and Absolute Error (AE) shall be determined using equations 3.2.3.A.i and 3.2.3.A.ii, respectively for each end-use (baseload, heating, and cooling).

$$BE = \frac{(x_i - \hat{x}_i)}{\text{NAC}} \times 100 \qquad \text{Eqn. 3.2.3.A.i}$$

$$AE = |x_i - \hat{x}_i| \qquad \text{Eqn. 3.2.3.A.ii}$$

3.3 Simplified Calibration

3.3.1 Model Calibration Delivered Fuel Criteria

For delivered fuel sources such as oil, LP, or pellets, minimum information shall include:

A. The date of the purchase(s) or deliveries based on receipt or delivery invoice from the fuel supplier for one year;
B. The amount of fuel purchased or delivered;
C. There shall be a minimum of 2 delivery records, and the time between the date of the first and last delivery record shall be 3655 days or more.
D. If the delivery records are detailed enough to meet the criteria under 3.2.2 above, then detailed calibration shall be used for delivered fuel. Otherwise, simplified calibration shall be used.
E. If the delivery records do not meet the criteria under 3.2.2 the usage shall be calculated as the sum of all deliveries in the overall time span except for the first delivery, which assumes the tank is filled with each delivery.

Annex A: Referenced Documents
(Normative)

ASHRAE Guideline 14-201402, Measurement of Energy, and Demand and Water Savings, ASHRAE Guideline 14, 2002. American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1791 Tullie Circle NE, Atlanta, GA 30329; www.ashrae.org.

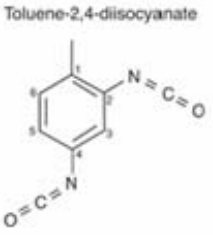
Annex B: Terms and Definitions
(Normative)

Normal weather data
A statistically-derived, standardized description of weather representing a typical year. (Examples include TMY2, TMY3.) As applicable, normal weather data shall be approved by the Authority Having Jurisdiction

Handbook on Adhesive Bonding in Electronic Assembly Operations

During ballot for publication of IPC-HDBK-4691, Neil Bolding with MacDermid submitted the following editorial comment with his YES vote.

“Remove the TDI, MDI structures & Fig 4.1 heading. These are the only chemistry structures provided for all types of the adhesives. For consistency remove, or add for other chemistries.”



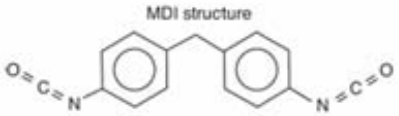


Figure 4-1 Chemical Structures for the 4,4 Isomer of MDI (Also Found as the 2,4 Isomer) and the 2,4 Isomer of TDI (Also Present as the 2,6 Isomer)

Change to be made to IPC-4691: Delete Figure 4-1 and the reference to it in 4.1.1.

Note: The following figure in that section, Figure 4-2, will be renumbered to Figure 4-1.

[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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3 General requirements

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3.2 Information and formulation requirements

The following information shall be obtained and reviewed for all materials with a water contact surface to determine the appropriate analytical testing and to ensure that the potential health effects of products and materials are accurately and adequately identified:

– the product section(s) under which the product, component, or material is covered and the intended function or end use of the product or the material;

– for assemblies, sub-assemblies, products or components, a list of all materials and their corresponding surface areas that come into direct contact with water;

– when appropriate, the total volume of water that the product can hold when filled to capacity;

– the expected service life of the product;

– the anticipated minimum, maximum, and average volumes of water that come into contact with the product, component, or material during a 24-h period;

– complete formulation information (equal to 100.0%) for each water contact material. This shall include:

NOTE 1 – The complete formulation information may be omitted for a component material if the generic material type is contained in Table 3.1 and:

– its diluted surface area in the application is less than or equal to 0.001 in^2/L or 0.0001 in^2/L for static or flowing conditions respectively; or

– if the material is in a high flow device ~~exclusively~~ and used exclusively at public water treatment facilities. For the purposes of this section high flow devices are limited to chemical feeders, disinfectant generators (e.g. chlorine dioxide, hypochlorite, ozone and ultraviolet), electrodialysis technologies, microfiltration technologies, nanofiltration technologies, reverse osmosis and ultrafiltration technologies; or

– if (1) used in a mechanical device or mechanical plumbing device and (2) the material is not a coating, and (3) the component is not a process media.

If the product is to be considered compliant to a lead content standard, the lead content (percent by weight) and wetted surface area of each component that comes into contact with the direct flow of water under the normal operation of the product is required. Complete documentation shall be submitted in accordance with NSF/ANSI 372 – Drinking water system components – Lead content.

NOTE 2 – A material is defined as a combination of ingredients used to: manufacture (mold, extrude, stamp, cast, machine, mix etc.) a part or component used in the assembly of a device. To include but not be limited to plastics, elastomers, metallic components, media, lubricants, adhesives, process aid, preservatives, coatings and surface treatments.

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3.3.2 Established minimum test batteries

The materials listed in Table 3.1 shall be tested for the indicated analyses and any formulation-dependent analyses identified during the formulation-dependent analyte selection. Products, components, or materials made exclusively from materials in Table 3.1 shall not require testing if:

– their diluted surface area in the application is less than or equal to 0.001 or 0.0001 for static or flowing conditions respectively, or

– the material is in a high flow device ~~exclusively~~ and used exclusively at public water treatment facilities. For the purposes of this section, high flow devices are limited to chemical feeders, disinfection generators (e.g. chlorine dioxide, hypochlorite, ozone and ultraviolet), electrodialysis technologies, microfiltration technologies, nanofiltration technologies, reverse osmosis and ultrafiltration technologies.

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3.5 Restriction on use of lead containing materials

There shall be no lead added as an intentional ingredient in any product, component, or material submitted for evaluation to this standard, with the following exceptions:

– Brass or bronze used in products meeting the definition of “lead free” under the specific provisions of the Safe Drinking Water Act of the United States.

– Solders and flux meeting the definition of “lead free” under the specific provisions of the Safe Drinking Water Act of the United States.

– Brass or bronze used in products specifically identified as exemptions within section (a)(4)(B) of the Safe Drinking Water Act of the United States.

– Trace amounts required for operation of products used to monitor the characteristics of drinking water, such as the glass membranes used with some selective ion or pH electrodes.

– ~~Materials of components with a diluted surface area less than or equal to 0.0001 in^2/L.~~

– Materials or components exempted from formulation information requirements as allowed per Section 3.2, Note 1.

NOTE – To the maximum extent possible, lead should not be added as an intentional in any product covered by the scope of this standard. ~~The exception above relative to the diluted surface area has only been included in recognition of formulation information exemption for applications with this condition.~~ The exception above relative to materials and components exempt from formulation information requirements has only been included in recognition that the use of lead as an intentional additive is unable to be identified in cases where formulation information is not obtained.

Reason: Added nanofiltration to exemptions under section 3.2 and 3.3.2, and the formulation exemption to the restriction of lead-containing materials under Section 3.5. for component materials in which the generic material type is contained in Table 3.1 per 2014 DWA-SC JC meeting discussion (December 3, 2014).

NSF International Standard
for Dietary Supplements —

Dietary supplements

3 Definitions

Terms used in this Standard that have special technical meaning are defined here.

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3.18 protein: A chain of amino acids connected by peptide bonds.

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5 Product requirements

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5.6 Proteins

Protein content, for products that claim protein at greater than 5% daily value, shall exclude quantifiable non-protein nitrogen-containing substances (e.g., free amino acids, taurine, creatine, alkaloids, etc.) that may be present in the product. ~~will be determined by measuring the amount of free amino acids as well as total amino acids. The amount of free amino acids measured will be subtracted from the amount of total amino acids measured. This process eliminates non-protein nitrogen sources as well as free amino acids from influencing the determination of the total protein label claim.~~

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6 Test methods used by testing laboratories for identification and quantification of ingredients – raw materials and finished products

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6.2 Quantification test methods

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6.2.5 Proteins

The ~~identity and~~ quantity of protein shall be analyzed ~~evaluated~~ using methods scientifically valid and suitable for the intended purpose. Methods used shall exclude or account for nitrogen containing non-protein compounds. Sources for methods should include AOAC International, USP and other method sources. ~~Methods that measure the amount of free amino acids as well as total amino acids will be used to distinguish protein in the presence of non protein nitrogen containing substances (e.g. melamine, free amino acids, urea.)~~ Modification of an existing method to better suit the sample under test is allowable. If no appropriate method exists, development of a new method is allowable. The use of any modified or new method shall require that an assessment be performed which includes evaluation of the method specificity, linearity, reproducibility, accuracy, spike recovery, and method detection limit (if applicable).

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BSR/UL 810B, Standard for DC Power Capacitors

Table 8.1

Spacings

Capacitor rating, Vdc	Minimum spacings, in (mm)			
	Through air		Over surface	
0 - 150	1/8	(3.2)	1/4	(6.4)
151 - 300	1/4	(6.4)	3/8	(9.5)
301 - 660	3/8	(9.5)	1/2	(12.7)
661 - 2000	3/4	(19.1)	3/4	(19.1)
2001 - 5000	3/4	(19.1)	1	(25.4)
5001 - 7200	2	(50.8)	3-1/2	(88.9)

19.2 Requirements

19.2.1 The fuse shall enable the faulty element to be disconnected when electrical breakdown of elements occurs in a voltage range, in which U_1 is the lowest and U_2 the highest value of the voltage between the terminals of the capacitor at the instant of the fault. The recommended values for U_1 and U_2 are the following:

$$U_1 = 0.8 \sqrt{2}\, U_N$$
$$U_2 = \sqrt{2}\, U_t$$

Where:

U_t is the test voltage according to Table 19.1.

NOTE - The U_1 and U_2 values above are based on the voltage that may normally occur across the capacitor terminals at the instant of electrical breakdown of the element.

BSR/UL 923, Standard for Microwave Cooking Appliances

1. Addition of Requirements for Polymeric Materials

PROPOSAL

12.8.1 Polymeric material within 50 mm of any ignition source specified in 2.21.1 shall meet the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94 V0 minimum.

Exception No. 1: Polymeric material may be HB minimum, provided the part does not occupy a volume greater than 0.122 in^3 (2 cm^3), does not have any dimension greater than 2.4 in (60.1 mm), and is located so it cannot propagate flame from one area to another or bridge between a possible source of ignition and other ignitable parts.

Exception No. 2: Polymeric materials may be HB minimum, provided that the unit fails safe and the material is ignited during the applicable Forced Failure Fire Containment Tests of the ignition source in Section 64A.

Exception No. 3: Polymeric materials may be HB minimum, provided that a metal sub-enclosure houses the ignition source fully and has a thickness as specified in ~~Table 5.1~~ 5.5 provided:

a) The polymeric material does not cover any openings in the metallic enclosure other than those of minimum size for the passage of the display, control shaft or rods; and

b) All other openings shall be judged on the basis of the necessity for their existence. On any one surface, the minor dimension of an opening shall not exceed 3/8 in (9.5 mm) and the maximum area shall not exceed 0.25 in^2 (161 mm^2). The area may be increased to a maximum of 1.0 in^2 (645 mm^2) if a barrier of metal or 5V material is secured in place and interposed between ignition sources and flammable material. In any case, the maximum aggregate area of all openings in any one surface shall not exceed 1.0 in^2.

~~12.8.2 With reference to 12.8.1, polymeric materials located within 3 mm of an electrical connection where the total circuit load is 60 watts or less during normal operation shall have a flammability classification as follows:~~

~~a) A minimum V-1 or VTM-1, in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94, or~~

~~b) A minimum SC-1 or SCTC-1, in accordance with the Standard for Tests for Flammability of Small Polymeric Component Materials, UL 1694, or~~

~~c) A minimum glow wire ignition temperature (GWIT) of 675°C according to Fire Hazard Testing - Part 2-13: Glowing/Hot-wire Based Test Methods - Glow-wire Ignition Temperature (GWIT) Test Method for Materials, IEC 60695-2-13, or or a minimum glow wire flammability index (GWFI) of 650°C according to Fire Hazard Testing - Part 2-12: Glowing/Hot-wire Based Test Methods - Glow-wire Flammability Index (GWFI) Test Method for Materials, IEC 60695-2-12, or withstands glow-wire test (GWT) according to Fire Hazard Testing - Part 2-11: Glowing/Hot-wire Based Test Methods - Glow-wire Flammability Test Method for End-products (GWEPT), IEC 60695-2-11 with a test severity of 650°C~~

16.1.2.1 All internal wiring, tubing, sleeving or tape shall possess a VW-1 flame rating or comply with the

Standard for Vertical Flame Test described in the Reference Standard for Electrical Wires, Cables, and Flexible Cords, UL 1581.

Exception No. 1: If solid conductor internal wirings are used as filament winding or secondary output wirings of high voltage transformer they are not required to be VW-1 provided that they are routed away from dead metal parts, wiring or uninsulated live parts of other circuits in 32.3, the voltage suitability of this internal wiring, may be judged under Dielectric Voltage Withstand Test, Section 44.

Exception No. 2: Insulated conductors for specialty applications (e.g. data processing or communications) and located in an extra low-voltage circuit not involving the risk of fire, electric shock or injury to persons need not comply with VW-1 provided it complies with the Standard for Appliance Wiring Material, UL 758 or the Standard for Metal-Clad Cables, UL 1569.

Exception No. 3: Glass fiber beads of inorganic material, or the equivalent, employed as conductor insulation.

BSR/UL 1973, Standard for *Batteries for Use in Light Electric Rail (LER) Applications and Stationary Applications*

2. Various revisions throughout the entire standard.

4.36.1 RESTRICTED ACCESS LOCATION - Location where access to the energy storage system is limited to trained service personnel or others trained to understand the restrictions associated with the system such as access to hazardous parts and precautions to be followed around the equipment. Restricted access locations are to be designated by the manufacturer if they are to be considered under this standard. If restricted access locations are identified by the manufacturer, the training required to gain access shall also be identified by the manufacturer. Access to restricted access locations is to be secured by a tool such as a lock and key or other means that is controlled by a person(s) responsible for the location.

Table 5.1
Electrical Spacings

Circuit ratings	Minimum spacings[a]	
	Through air	Over surface
	Between parts of opposite polarity, live and non-current carrying parts and live and ground connections	Between parts of opposite polarity, live and non-current carrying parts and live and ground connections
V	mm (in)	mm (in)
30 - 50[b]	1.6 (1/16)	1.6 (1/16)
51 - 150	3.2 (1/8)	6.4 (1/4)
151 - 300	6.4 (1/4)	9.5 (3/8)
301 - 660	9.5 (3/8)	12.7 (1/2)
661 - 1000	19.1 (3/4)	19.1 (3/4)
1001 - 1500	21.6 (7/8)~~(0.85)~~	30.5 (1-1/4)~~(1.20)~~

[a] The spacings in this table are suitable between live parts and conductive non-current carrying parts separated by basic insulation only or between basically insulated conductive non-current carrying parts and accessible parts separated by supplemental insulation. Spacings between hazardous voltage parts and accessible parts requiring double or reinforced insulation will require that the values outlined in the table be doubled. Refer to Section 5.6 regarding required insulation levels.

[b] Spacings at these voltages may be decreased from those indicated in the table if it can be determined through test or analysis that there is no hazard.

5.6.7 Conductors, relied upon for the protective grounding and bonding system, shall be sized to handle intended fault currents and if insulated, the insulation shall be green or green and yellow striped in color. Grounding conductors ~~are to~~ shall be sized in accordance with Article 250.122 of the National Electric Code, ANSI/NFPA 70.

5.8.1.1 Electric energy storage systems shall be protected against overcharge and overdischarge, resulting from anticipated use and abuse conditions including component faults in control systems, short circuit conditions and power surges as applicable to the intended electric energy storage system application and installation as determined by the manufacturer. If relied upon for maintaining the cells within their safe operating region, the battery management system (BMS) shall maintain cells within the specified cell voltage region from over-charge and over-discharge of the cell voltage, and it shall maintain cells within the specified cell temperature region providing protection from overheating and under

temperature operation. Additionally, it shall maintain batteries within the specified battery current region from over charge of current and prevent high rate discharge exceeding the cell specifications. Components such as fuses, circuit breakers or other devices and parts determined necessary for safe operation of the electric energy storage system that are required to be provided in the end use installation, shall be identified in the installation instructions.

5.11.6 Electrochemical capacitor cells and modules shall comply with the requirements outlined in the Standard for Electrochemical Capacitors, UL 810A in addition to the requirements of this standard.

17.3 The sample shall then be charged in accordance with the manufacturer's maximum normal charging specifications. Charging is to continue until end of charge conditions and the DUT reaches thermal equilibrium. The voltage of the partially charged module/cell shall be monitored during the charging to determine if its voltage limits are being exceeded. During the test, active protective devices shall be subjected to single fault conditions, unless the protective circuit has been tested for functionality in accordance with 5.8.1.3.

28.2 After being equilibrated at room temperature per 6.3, a fully charged module/component pack is to be dropped from a minimum height of 100 cm (39.4 in) for products weighing 7 kg (15.4 lb) or less, 10 cm (3.9 in) for products weighing > 7 kg (15.4 lb), but less than 100 kg (220.5 lbs), and 2.5 cm (0.98 in) for products weighing > 100 kg (220.5 lbs), to strike a concrete or metal surface in the position most likely to produce adverse results and in a manner most representative of what would occur during maintenance and handling/removal of the EESS during installation and servicing. The orientation of the drop shall be determined by the testing personnel from an analysis of the installation and servicing instructions.

37.2 The fully charged electric energy storage system (MOSOC per 6.1) is to be subjected to the internal fire test which consists of heating one internal cell that is centrally located within the DUT until thermal runaway or otherwise forcing the failure of a cell through any means necessary and determining whether or not that failure remains safely controlled within the DUT. Regardless of the method used to fail the cell, if thermal runaway is not initiated within 10 min, the test is terminated.~~cell failure is to occur within at least 10 min.~~ Once the thermal runaway is initiated, the mechanism used to create thermal runaway is shut off or stopped and the DUT is subjected to a 1-h observation period.

Exception No. 1: Testing on a cell that is other than centrally located within the DUT may additionally be conducted if it is not clear which is the worst case scenario. The location of the failed cell is to be documented for each test.

Exception No. 2: Testing may be conducted on a representative subassembly consisting of one or more modules and surrounding representative environment, if it can be demonstrated that there is no propagation beyond the subassembly.

C5.1.1 Electrolyte containment vessels where there is the potential for gas pressure build up greater than 50 kPa (7.25 psi), shall be subjected to a hydraulic pressure test as described in C5.1.2. As a result of the test, the vessel shall not burst, leak, rupture, fracture, or permanently (plastic) deform.

Exception No. 1: Where unmarked pressure vessels are not able to be hydraulically tested, compliance shall be verified by other applicable tests, such as an air pneumatic test at the same test pressure as for the hydraulic test.

Exception No. 2: Piping systems under the scope of the Standard for Process Piping, ASME B31.3, shall be subjected to ultimate strength and leakage testing in accordance with that code.

C5.2.1 Leakage from fluid-containing parts shall not result in the risk of fire, electric shock, or injury to persons. As a result of the leakage test, the following in (a) - (h) are considered non-compliant results:

a) E - Explosion;

b) F - Fire;

c) C - Combustible vapor concentrations;

d) V - Toxic vapor release;

e) S - Electric shock hazard (dielectric breakdown);

f) L - Leakage (external to enclosure of DUT);

g) R - Rupture (of DUT enclosure exposing hazardous parts as determined by 5.3.3);

h) P - Loss of protection controls.

E2.2 The external resistance is to be applied to the cell terminals for 7 h or until temperatures on the cell cool to within ±10°C (18°F) of ambient conditions. The cells shall be monitored for 72 h at the conclusion of the test. When an overcurrent protective device activates during the test, the test shall be repeated with the battery supply connected to the maximum load that does not cause the protective device to open. Protective devices that are relied upon to meet the compliance criteria for the short circuit test shall comply with the requirements for that component. See Appendix A.

E7.2 The discharged cells are subjected to a forced discharge at a constant current 1.0 I_t A for 90 min with the discharge voltage limit not to exceed the upper limit charging voltage specified for the cell. If the discharge voltage limit is reached before the 90 min, the cell is to be discharged at a constant voltage discharge equal to the manufacturer's determined low voltage cutoff, with the current decreasing as necessary until the 90 min time period is reached.