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: March 8, 2015

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0300094-201x, Trouble Type Codes in Support of ATIS Trouble Administration Standards (revision of ANSI ATIS 0300094-2014)

This document contains a canonical listing of Trouble Type Codes to be used in the Electronic Bonding process as specified in ATIS 0300003-2012 and ATIS 0300227-2008.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Kerrianne Conn, (202) 434-8841, kconn@atis.org

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

BSR C136.38-201X, Roadway and Area Lighting Equipment - Induction Lighting (revision of ANSI C136.38-2009)

This standard defines the electrical and mechanical requirements of induction-type light sources for use in roadway and area lighting luminaires.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-201x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2015)

The following changes in requirements to UL 94 are being recirculated: (1) Definition of a new classification for Carbon Black (as colorant) in UL 94.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546-2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 162-201x, Standard for Safety for Foam Equipment and Liquid Concentrates (revision of ANSI/UL 162-2014)

The following is being proposed: (1) Revision to Moist Ammonia Test criteria; (2) Revision to Drop Test for larger containers; (3) Revision to exposure tests for polymeric materials and fiberglass components used in parts other than containers; (4) Addition of National and International Standards reference.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 263-201x, Standard for Safety for Fire Tests of Building Construction and Materials (Proposal dated 2/6/15) (revision of ANSI/UL 263-2014a)

This 2/6/15 proposal adds a Furnace Exposure Test to UL 263.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Betty Holthouser, (919) 549-1896, betty.c.holthouser@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746A-201x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2014b)

The following changes in UL 746A, are being proposed: (1) New test method - Microscale Combustion Calorimetry (MCC).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546-2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1030-201X, Standard for Safety for Sheathed Heating Elements (Proposal dated 2/6/15) (revision of ANSI/UL 1030-2010 (R2014))

The following changes are being proposed: (1) Deletion of 6.4 which references the use of X-rays to determine insulation spacing; (2) Addition of an exception to 14.2 for testing in a forced-air ambient condition.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1082-201x, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances (Proposals dated 2-6-15) (revision of ANSI/UL 1082-2011)

(1) Clarifications for thermostats - Deleted 23.3.1; Revised 23.3; and Table 49.1.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1472-201x, Standard for Safety for Solid State Dimming Controls (revision of ANSI/UL 1472-2006 (R2011))

The following is being proposed: (1) Revision and addition of requirements for ground leakage current.

Click here to view these changes in full

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

Comment Deadline: March 23, 2015

APCO (Association of Public-Safety Communications Officials-International)

Revision

BSR/APCO/NENA 1.105.2-201x, Standard for Telecommunicator Emergency Response Taskforce (TERT) Deployment (revision and redesignation of ANSI/APCO/NENA 1.105.1-2009)

This document includes information to provide guidance and helpful information regarding the development, maintenance, and deployment of a Telecommunicator Emergency Response Taskforce (TERT).

Single copy price: Free

Obtain an electronic copy from: mcduffiec@apcointl.org

Order from: Crystal McDuffie, (919) 625-6864, mcduffiec@apcointl.org; standards@apcointl.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR/ASA S12.60/Part 1-2010 (R201x), Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 1: Permanent Schools (reaffirmation of ANSI/ASA S12.60-2010/Part 1)

This standard specifies acoustical performance criteria, and design requirements for classrooms and other learning spaces, excluding relocatable classrooms and modular core learning spaces. Annex A (normative) provides procedures for optional testing to determine conformance with the source background noise requirements and the noise isolation requirements of this standard. Annex B (informative) provides commentary information.

Single copy price: $5.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

BSR/ASA S2.34-1984 (R201x), Standard Guide to the Experimental Determination of Rotational Mobility Properties and the Complete Mobility Matrix (reaffirmation of ANSI/ASA S2.34-1984 (R2010))

This guide delineates the methods and procedures which may be used to determine the structural mobility properties, translational and rotational, of a system of points on a structure. This guide is to be used for guidance only, since the state of the art is still in flux.

Single copy price: $100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

BSR/ASA S2.46-1989 (R201X), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2010))

This standard specifies rules for the presentation of important characteristics for electro-mechanical shock and vibration transducers (seismic pick-ups), the electrical outputs of which are known functions of the uniaxial, multiaxial, or angular accelerations, velocities, or displacements of objects the motions of which are being measured.

Single copy price: $90.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S602.2 MONYEAR-201x, General Safety Standard for Agricultural Tractors in Scraper Applications (revision and redesignation of ANSI/ASABE S602.1-2014)

Provides safety requirements for agricultural scraper tractors as defined in ASAE S390, when used in construction environments, as defined in ISO 6165. This standard does not apply to agricultural tractors used in traditional agricultural applications, such as land leveling. Agricultural scraper tractors that meet the requirements of this standard are suitable for use in traditional agricultural tractor applications.

Single copy price: $55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

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

Addenda

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

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

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

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

Addenda

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

This addendum provides a way for BACnet devices to map analog values onto multiple binary values or outputs.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F1695-2008 (R201x), Test Method for Performance of Underfired Broilers (reaffirmation of ANSI/ASTM F1695-2003 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F1784-2008 (R201x), Test Method for Performance of a Pasta Cooker (reaffirmation of ANSI/ASTM F1784-1997 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F1785-2008 (R201x), Test Method for Performance of Steam Kettles (reaffirmation of ANSI/ASTM F1785-1997 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F1787-2008 (R201x), Test Method for Performance of Rotisserie Ovens (reaffirmation of ANSI/ASTM F1787-2003 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F2202-2007 (R201x), Specification for Slow Cook/Hold Ovens and Hot Food Holding Cabinets (reaffirmation of ANSI/ASTM F2202-2002 (R2007))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F2237-2008 (R201x), Test Method for Performance of Upright Overfired Broilers (reaffirmation of ANSI/ASTM F2237-2003 (R2008))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F2875-2010 (R201x), Guide for Laboratory Requirements Necessary to Test Commercial Cooking and Warming Appliances to ASTM Test Methods (reaffirmation of ANSI/ASTM F2875-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM F1696-201x, Test Method for Energy Performance of Single-Rack, Door-Type Commercial Dishwashing Machines (revision of ANSI/ASTM F1696-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM F1920-201x, Test Method for Performance of Rack Conveyor, Commercial Dishwashing Machines (revision of ANSI/ASTM F1920-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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ASTM (ASTM International)

Revision

BSR/ASTM F2795-201x, Test Method for Performance of Self-Contained Soft Serve and Shake Machines (revision of ANSI/ASTM F2795-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

AWS (American Welding Society)

Revision

BSR/AWS C7.3M-201X, Process Specification for Electron Beam Welding (revision of ANSI/AWS C7.3-1999 (R2003))

This specification on electron beam welding discusses applicable specifications, safety, requirements, fabrication, quality examination, equipment calibration and maintenance, approval of work and delivery of work. It addresses processing and quality control requirements for electron beam welding with both high- and low-voltage welding equipment in high and medium vacuum variations.

Single copy price: $52.00

Obtain an electronic copy from: clewis@aws.org

Order from: Chelsea Lewis, (305) 443-9353, clewis@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS D1.5M/D1.5-201x, Bridge Welding Code (revision of ANSI/AWS D1.5M/D1.5-2010)

This code covers the welding requirements for AASHTO-welded highway bridges made from carbon and low-alloy constructional steels.

Single copy price: $176.00

Obtain an electronic copy from: sborrero@aws.org

Order from: Stephen Borrero, (305) 443-9343, sborrero@aws.org

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

ECIA (Electronic Components Industry Association)

New Standard

BSR/EIA 364-80-201x, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (new standard)

This test procedure describes two methods to measure the shielding transfer impedance of mated cable connectors in the frequency range 10 kHz to 100 MHz, (method A), and a connector located between a bulkhead panel and a shielded cable from 30 MHz to 500 MHz, (method B).

Single copy price: $90.00

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

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

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

GTESS (Georgia Tech Energy & Sustainability Services)

New National Adoption

BSR/ISO/MSE 50004-201x, Energy management systems - Guidance for the implementation, maintenance and improvement of an energy management system (identical national adoption of ISO 50004: 2014)

This Standard provides guidance when implementing the requirements of an energy management system (EnMS) based on ISO 50001-2011 and guides the organization to take a systematic approach in order to achieve continual improvement in energy management and energy performance. The Standard provides guidance to users with varying levels of energy management and EnMS experience. The Standard is organized into the following sections: Foreword; Introduction; Scope; Normative references; Terms, definitions and abbreviated terms; Energy management system requirements; 5 Informative annexes; and a Bibliography.

Single copy price: N/A

Obtain an electronic copy from: moon.kim@gtri.gatech.edu

Send comments (with copy to psa@ansi.org) to: Moon Kim, (404) 407-6404, Moon.Kim@gtri.gatech.edu

GTESS (Georgia Tech Energy & Sustainability Services)

New National Adoption

BSR/ISO/MSE 50006-201x, Energy management systems - Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) - General principles and guidance (identical national adoption of ISO 50006: 2014)

This Standard provides organizations with practical guidance on how to meet the requirements of ISO 50001-2011 related to the establishment, use and maintenance of energy performance indicators (EnPIs) and energy baselines (EnBs) in measuring energy performance and energy performance changes. Energy performance is a broad concept related to energy consumption, energy use and energy efficiency. The Standard is organized into the following sections: Foreword; Introduction; Scope; Normative references; Terms and definitions; Measurement of energy performance; 5 Informative annexes; and a Bibliography.

Single copy price: N/A

Obtain an electronic copy from: moon.kim@gtri.gatech.edu

Send comments (with copy to psa@ansi.org) to: Moon Kim, (404) 407-6404, Moon.Kim@gtri.gatech.edu

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

Revision

BSR N42.38-201x, Performance Criteria for Spectroscopy Based Portal Monitors Used for Homeland Security (revision of ANSI N42.38-2006)

This standard specifies the operational and performance requirements for spectroscopy-based portal monitors (SRPM) used in homeland security applications. Spectroscopy-based portal monitors have the ability to detect radioactivity and identify radionuclides that may be present in or on persons, vehicles, or containers through the use of gamma spectroscopy techniques. Performance requirements for those portal monitors that do not provide information about the specific radionuclide present are addressed by ANSI N42.35.

Single copy price: Free

Obtain an electronic copy from: m.kipness@ieee.org

Order from: Michael Unterweger, (301) 975-5536, michael.unterweger@nist.gov

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

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

Revision

INCITS 322-201x, Information technology - Card Durability Test Methods (revision of INCITS 322:2008 [R2013])

This American National Standard describes Test Methods for the evaluation of Identification (ID) card durability. An ID card is defined as a card identifying its holder and issuer which may carry data required as input for the intended use of the card.

Single copy price: $60.00

Obtain an electronic copy from: www.incits.org

Order from: www.incits.org

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

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

Revision

INCITS 410-201x, Information Technology - Identification Cards - Limited Use (LU), Proximity Integrated Circuit Card (PICC) (revision of INCITS 410:2006 [R2011])

This standard provides a physical specification with similar electronic characteristics to Proximity Integrated Circuit Cards (PICCs), such as those specified within ISO/IEC 14443-2 and -3. The physical card thickness (finished card body) formats, are defined within this specification and may also have references to both ISO/IEC 7810:2012 (ID1-Identification cards), INCITS 440 (Card Life Cycle), and ISO/IEC 15457 for thin flexible cards and other thickness dimensions as called out in this standard. Construction attributes, pertaining to the materials, functionality, and environmental requirements and the targeted use of these cards are also specified.

Single copy price: $60.00

Obtain an electronic copy from: www.incits.org

Order from: www.incits.org

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

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

Revision

INCITS 440-201x, Information technology - Card Durability / Service Life (revision of INCITS 440:2008 [R2013])

This American National Standard defines a method to determine a card application class for the intended card use. Once the service life application is determined, the standard defines test methods and requirements for the card application.

Single copy price: $60.00

Obtain an electronic copy from: www.incits.org

Order from: www.incits.org

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

NPES (ASC CGATS) (Association for Suppliers of Printing, Publishing and Converting Technologies)

New National Adoption

BSR CGATS 12642-1 (IT8.7/3)-201x, Graphic technology - Input data for characterization of four-colour process printing - Part 1: Initial data set (identical national adoption of ISO 12642-1)

This part of ISO 12642 defines an input data file, a measurement procedure, and an output data format for use in characterizing any four-colour printing process.

Single copy price: $75.00

Obtain an electronic copy from: dorf@npes.org

Order from: Debra Orf, (703) 264-7229, dorf@npes.org

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

PLASA (PLASA North America)

Withdrawal

ANSI/PLASA E1.45-2013, Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A) (withdrawal of ANSI/PLASA E1.45-2013)

This standard defines a minimal method to transport IEEE 802 data frames unidirectionally over ANSI E1.11 physical links in entertainment lighting control networks using an Alternate START Code. The primary motivation is to allow communication of IEEE 802 data to luminaires for data transmission by those luminaires. A patent has been issued that protects technology essential to the standard, but a royalty-free license is being offered by the patent holder.

Single copy price: Free

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

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

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 151-201x, Mechanical, Electrical, and Environmental Requirements for RF Traps and Filters (revision of ANSI/SCTE 151-2008)

The purpose of this specification is to provide the mechanical, electrical and environmental requirements for broadband radio frequency (RF) Trap and Filter devices whose primary purpose is to provide a fixed attenuation of RF signal(s) at user defined frequencies while preserving adjacent topology.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-9-2005 (R201X), Standard for Safety for Low-Voltage Fuses - Part 9: Class K Fuses (reaffirmation of ANSI/UL 248-9-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-9.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-13-2005 (R201x), Standard for Safety for Low-Voltage Fuses - Part 13: Semiconductor Fuses (reaffirmation of ANSI/UL 248-13-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-13

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549 -1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-14-2005 (R201x), Standard for Safety for Low-Voltage Fuses - Part 14: Supplemental Fuses (reaffirmation of ANSI/UL 248-14-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-14.

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-15-2005 (R201x), Standard for Safety for Low-Voltage Fuses - Part 15: Class T Fuses (reaffirmation of ANSI/UL 248-15-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-15.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549 -1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1086-201x, Standard for Safety for Household Trash Compactors (reaffirmation of ANSI/UL 1086-2010b)

(1) Reaffirmation and continuance of the fifth edition of the Standard for Household Trash Compactors, UL 1086, 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: Beth Northcott, (847) 664 -3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1994-2010 (R201x), Standard for Safety for Luminous Egress Path Marking Systems (reaffirmation of ANSI/UL 1994-2010b)

Reaffirmation of the third edition of the Standard for Safety for Luminous Egress Path Marking Systems, UL 1994, as an American National Standard. UL 1994 covers floor proximity and other egress path marking and lighting systems that provide a visual delineation of the path of egress and are also used to identify egress path features such as doors, stairs, obstacles, egress symbols, and information placards. They are intended for installation and use as required by such codes as Life Safety Code, NFPA 101; Building Construction and Safety Code, NFPA 5000; and the International Building Code.

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.)

Reaffirmation

BSR/UL 2305-201x, Standard for Safety for Exhibition Display Units, Fabrication and Installation (reaffirmation of ANSI/UL 2305-2010)

(1) Reaffirmation and continuance of the first edition of the Standard for Exhibition Display Units, Fabrication and Installation, UL 2305, 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: Beth Northcott, (847) 664 -3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 758-201x, Standard for Safety for Appliance Wiring Material (Proposal dated 2/6/15) (revision of ANSI/UL 758-2014b)

(1) Additional physical properties - Revised Table 7.1. (2) Norm conformity with the Standard for Conductors of Insulated Cables, IEC 60228.

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

VITA (VMEbus International Trade Association (VITA))

New Standard

BSR/VITA 78-201x, SpaceVPX System Specification (new standard)

This standard describes an open standard for creating high-performance fault-tolerant interoperable backplanes and modules to assemble electronic systems for spacecraft and other high-availability applications. Such systems will support a wide variety of use cases across the aerospace community. This standard leverages the OpenVPX standards family and the commercial infrastructure that supports these standards.

Single copy price: $25.00

Obtain an electronic copy from: www.vita.com

Send comments (with copy to psa@ansi.org) to: jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

BSR/VITA 41.6-2009 (R201x), VXS 1X Gigabit Ethernet Control Channel Layer Standard (reaffirmation of ANSI/VITA 41.6-2009)

This protocol layer document builds upon the VXS-based standard by describing how VXS boards may communicate using the existing data plane protocols with provisions for a separate control plane.

Single copy price: $25.00

Obtain an electronic copy from: www.vita.com

Send comments (with copy to psa@ansi.org) to: jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

BSR/VITA 42.6-2009 (R201x), XMC 10 Gigabit Ethernet 4-Lane Protocol Layer Standard (reaffirmation of ANSI/VITA 42.6-2009)

This protocol layer standard builds on the XMC base standard by describing how XMC carriers and XMC mezzanine cards may communicate in a standard way using the XAUI protocol.

Single copy price: $25.00

Obtain an electronic copy from: www.vita.com

Send comments (with copy to psa@ansi.org) to: jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

BSR/VITA 46.10-2009 (R201x), Rear Transition Module for VPX (reaffirmation of ANSI/VITA 46.10-2009)

Define a rear transition module (RTM) for VPX applications.

Single copy price: $25.00

Obtain an electronic copy from: www.vita.com

Send comments (with copy to psa@ansi.org) to: jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

BSR/VITA 51.3-2010 (R201x), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010)

This standard provides rules, permissions, and observations to assure that cost-effective qualification and environmental stress screening support valid reliability predictions and enhance electronics reliability. It includes a discussion of the systems engineering relationships between qualification, environmental stress screening, and reliability.

Single copy price: $25.00

Obtain an electronic copy from: www.vita.com

Send comments (with copy to psa@ansi.org) to: jing.kwok@vita.com

Comment Deadline: April 7, 2015

ANS (American Nuclear Society)

Revision

BSR/ANS 3.11-201x, Determining Meteorological Data for Nuclear Facilities (revision of ANSI/ANS 3.11-2005 (R2010))

The standard includes the identification of which meteorological parameters should be measured relative to the program, meteorological parameter accuracies, meteorological tower-siting considerations, data monitoring methodologies, data reduction techniques, and quality assurance requirements.

Single copy price: $20.00

Obtain an electronic copy from: scook@ans.org

Order from: scook@ans.org

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

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B36.19M-2004 (R201x), Stainless Steel Pipe (reaffirmation of ANSI/ASME B36.19M-2004 (R2010))

This Standard covers the standardization of dimensions of welded and seamless wrought stainless steel pipe for high or low temperatures and pressures. The word pipe is used, as distinguished from tube, to apply to tubular products of dimensions commonly used for pipeline and piping systems. Pipes NPS 12 (DN 300) and smaller have outside diameters numerically larger than their corresponding sizes. In contrast, the outside diameters of tubes are numerically identical to the size number for all sizes. The wall thicknesses for NPS 14 through 22, inclusive (DN 350–550, inclusive), of Schedule 10S; NPS 12 (DN 300) of Schedule 40S; and NPS 10 and 12 (DN 250 and300) of Schedule 80S are not the same as those of ASME B36.10M. The suffix “S” in the schedule number is used to differentiate B36.19M pipe from B36.10M pipe. ASME B36.10M includes other pipe thicknesses that are also commercially available with stainless steel material.

Single copy price: $40.00

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

Order from: For Reaffirmations and Withdrawn standards please view our catalog at http://www.asme.org/kb/standards

Send comments (with copy to psa@ansi.org) to: April Amaral, aamaral@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 12.2-2010 (R201x), Steam Surface Condensers

(reaffirmation of ANSI/ASME PTC 12.2-2010)

This Code provides standard directions and rules for conducting and reporting performance tests of watercooled, steam surface condensers, hereafter referred to as condensers.

Single copy price: $159.00

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

Order from: For Reaffirmations and Withdrawn standards please view our catalog at http://www.asme.org/kb/standards

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591 -8018, guzman@asme.org

Projects Withdrawn from Consideration

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

AMCA (Air Movement and Control Association)

BSR/AMCA 510-201x, Methods of Testing Heavy Duty Dampers for Rating (revision of ANSI/AMCA 510-2004 (R2009))

Inquiries may be directed to Amanda Muledy, (847) 704-6295, amuledy@amca.org

HL7 (Health Level Seven)

BSR/HL7 CDA, R3-201x, HL7 Version 3 Standard: Clinical Document Architecture, Release 3 (revision and redesignation of ANSI/HL7 CDA, R2 -2005 (R2010))

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

BSR INCITS PN-2229-D-201x, Information technology - USB Attached SCSI - 2 (UAS-2) (new standard)

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.

ASA (ASC S12) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Susan Blaeser*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S12.60/Part 1-2010 (R201x), Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 1: Permanent Schools (reaffirmation of ANSI/ASA S12.60-2010/Part 1)

Obtain an electronic copy from: asastds@acousticalsociety.org

ASA (ASC S2) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Susan Blaeser*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S2.34-1984 (R201x), Standard Guide to the Experimental Determination of Rotational Mobility Properties and the Complete Mobility Matrix (reaffirmation of ANSI/ASA S2.34-1984 (R2010))

Obtain an electronic copy from: asastds@acousticalsociety.org

BSR/ASA S2.46-1989 (R201X), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46 -1989 (R2010))

Obtain an electronic copy from: asastds@acousticalsociety.org

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 364-80-201x, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (new standard)

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

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

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

Contact: *Deborah Spittle*

Phone: (202) 626-5746

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS 322-201x, Information technology - Card Durability Test Methods (revision of INCITS 322:2008 [R2013])

Obtain an electronic copy from: www.incits.org

INCITS 410-201x, Information Technology - Identification Cards - Limited Use (LU), Proximity Integrated Circuit Card (PICC) (revision of INCITS 410:2006 [R2011])

Obtain an electronic copy from: www.incits.org

INCITS 440-201x, Information technology - Card Durability / Service Life (revision of INCITS 440:2008 [R2013])

Obtain an electronic copy from: www.incits.org

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Contact: *Megan Hayes*

Phone: (703) 841-3285

Fax: (703) 841-3385

E-mail: megan.hayes@nema.org

BSR C136.38-201X, Roadway and Area Lighting Equipment - Induction Lighting (revision of ANSI C136.38-2009)

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Contact: *Karen Willis*

Phone: (703) 841-3277

Fax: (703) 841-3377

E-mail: Karen.Willis@nema.org

BSR C78.901-201x, Electric Lamps - Single-Based Fluorescent Lamps - Dimensional and Electrical Characteristics (revision of ANSI ANSLG C78.901-2014)

NENA (National Emergency Number Association)

Office: 3524 Sciotangy Drive
Columbus, OH 43221

Contact: *Roger Hixson*

Phone: (202) 618-4405

E-mail: rhixson@nena.org

BSR/NENA STA-020.1-201X, NENA Standard for 9-1-1 Call Processing (new standard)

NSF (NSF International)

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

Contact: *Allan Rose*

Phone: (734) 827-3817

Fax: (734) 827-7875

E-mail: arose@nsf.org

BSR/NSF 500-201x, GRAS Ingredient Safety Assessment (new standard)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (613) 799-5745

E-mail: jing.kwok@vita.com

ANSI/VITA 42.6-2009 (R201x), XMC 10 Gigabit Ethernet 4-Lane Protocol Layer Standard (reaffirmation of ANSI/VITA 42.6-2009)

Obtain an electronic copy from: www.vita.com

ANSI/VITA 49.0-2009 (R201x), VITA Radio Transport (VRT) Standard (revision of ANSI/VITA 49.0-2009)

ANSI/VITA 49.1-2009 (R201x), VITA Radio Link Layer (VRL) (revision of ANSI/VITA 49.1-2009)

BSR/VITA 41.6-2009 (R201x), VXS 1X Gigabit Ethernet Control Channel Layer Standard (reaffirmation of ANSI/VITA 41.6-2009)

Obtain an electronic copy from: www.vita.com

BSR/VITA 46.10-2009 (R201x), Rear Transition Module for VPX (reaffirmation of ANSI/VITA 46.10-2009)

Obtain an electronic copy from: www.vita.com

BSR/VITA 51.3-2010 (R201x), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010)

Obtain an electronic copy from: www.vita.com

BSR/VITA 78-201x, SpaceVPX System Specification (new standard)

Obtain an electronic copy from: www.vita.com

Final Actions on American National Standards

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

AGMA (American Gear Manufacturers Association)

Revision

ANSI/AGMA 9112-B-2015, Bores and Keyways for Flexible Couplings (Metric Series) (revision of ANSI/AGMA 9112-A-2004 (R2011)): 2/4/2015

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

Addenda

ANSI/ASHRAE 62.1c-2015, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2013): 1/29/2015

ANSI/ASHRAE 62.1q-2015, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2013): 1/29/2015

ANSI/ASHRAE Addendum 62.1q-2015, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2013): 1/29/2015

ANSI/ASHRAE Standard 34j-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/29/2015

ANSI/ASHRAE Standard 34k-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/29/2015

ANSI/ASHRAE Standard 34l-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/29/2015

ANSI/ASHRAE Standard 34m-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/29/2015

ANSI/ASHRAE Standard 34n-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum k to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum m to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum o to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum p to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum r to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

ANSI/ASHRAE/IES Addendum s to Standard 90.1-2015, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 1/29/2015

Revision

ANSI/ASHRAE Standard 17-2015, Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves (revision of ANSI/ASHRAE Standard 17-2008): 2/2/2015

* ANSI/ASHRAE Standard 133-2015, Method of Testing Direct Evaporative Air Coolers (revision of ANSI/ASHRAE Standard 133 -2008): 2/2/2015

* ANSI/ASHRAE Standard 143-2015, Method of Test for Rating Indirect Evaporative Coolers (revision of ANSI/ASHRAE Standard 143 -2007): 2/2/2015

ANSI/ASHRAE/IES Standard 100-2015, Energy Efficiency in Existing Buildings (revision of ANSI/ASHRAE/IESNA Standard 100-2006): 2/2/2015

Withdrawal

ANSI/ASHRAE Standard 87.3-2001 (R2010), Method of Testing Propeller Fan Vibration - Diagnostic Test Methods (withdrawal of ANSI/ASHRAE Standard 87.3-2001 (R2010)): 2/4/2015

ANSI/ASHRAE Standard 151-2010, Practices for Measuring, Testing, Adjusting, and Balancing Shipboard HVAC&R Systems (withdrawal of ANSI/ASHRAE Standard 151-2010): 2/2/2015

ASPE (American Society of Plumbing Engineers)

New Standard

ANSI/WQA/ASPE S-801-2015, Sustainable Management (new standard): 2/3/2015

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI/ATIS 0100521-2005 (R2015), Packet Loss Concealment for Use with ITU-T Recommendation G.711 (reaffirmation of ANSI/ATIS 0100521-2005 (R2010)): 2/3/2015

CEA (Consumer Electronics Association)

New Standard

* ANSI/CEA 2049-2015, Determination of Small Network Equipment Average Energy Consumption (new standard): 2/3/2015

Reaffirmation

* ANSI/CEA 762-B-2009 (R2015), DTV Remodulator Specification (reaffirmation of ANSI/CEA 762-B-2008): 2/3/2015

Withdrawal

* ANSI/CEA 639-2010, Consumer Camcorder or Video Camera Low Light (withdrawal of ANSI/CEA 639-2010): 2/3/2015

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

New National Adoption

INCITS/ISO/IEC 14496-10:2014 [2015], Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding (identical national adoption of ISO/IEC 14496-10:2014 and revision of INCITS/ISO/IEC 14496-10:2012 [2013]): 2/3/2015

INCITS/ISO/IEC 26300:2006/Cor 3:2014 [2015], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Technical Corrigendum 3 (identical national adoption of ISO/IEC 26300:2006/Cor 3:2014): 2/3/2015

INCITS/ISO/IEC 26300:2006/Amd 1:2012/Cor 1:2014 [2015], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1 - Technical Corrigendum 1 (identical national adoption of ISO/IEC 26300:2006/Amd 1:2012/Cor 1:2014): 2/3/2015

Withdrawal

INCITS/ISO/IEC TR 9575:1995 [2010], Information technology - Telecommunications and information exchange between systems - OSI Routeing Framework (withdrawal of INCITS/ISO/IEC TR 9575:1995 [2010]): 2/3/2015

NSF (NSF International)

Revision

* ANSI/NSF 14-2015 (i65r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2014): 1/27/2015

ANSI/NSF 50-2015 (i77r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)): 1/26/2015

* ANSI/NSF 305-2015 (i19r2), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2012): 2/3/2015

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 203-2015, Standard for Safety for Pipe Hanger Equipment for Fire Protection Service (revision of ANSI/UL 203-2010a): 2/3/2015

ANSI/UL 1254-2015, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units (revision of ANSI/UL 1254 -2014): 1/30/2015

ANSI/UL 1283-2015, Standard for Safety for Electromagnetic Interference Filters (Bulletin dated November 14, 2014) (revision of ANSI/UL 1283-2013): 2/2/2015

Project Initiation Notification System (PINS)

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

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

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

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 WK35907-201x, New Specification for Breakaway Helmet Accessories (new standard)

Stakeholders: Headgear and Helmets industry.

Project Need: Develop a standard to define breakaway characteristics of helmet accessories. Helmet accessories include items such as cameras and lights.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK35907.htm

CSA (CSA Group)

Office: 8501 E. Pleasant Valley Road
Cleveland, OH 44131

Contact: *David Zimmerman*

Fax: (216) 520-8979

E-mail: david.zimmerman@csagroup.org

* BSR Z21.24-201x, Standard for Connectors for Gas Appliances (same as CSA 6.10 and CSA 6.10a) (revision of ANSI Z21.24-2005 (R2010), ANSI Z21.24a-2008 (R2010))

Stakeholders: Consumers, manufacturers, gas suppliers, and certifying agencies.

Project Need: Revised and new text.

Details test and examination criteria for gas appliance connectors limited to a maximum nominal length of 6 feet (1.83 m). Such connectors are suitable for connecting gas-fired appliances to fixed gas supply lines containing natural, manufactured or mixed gases, liquefied petroleum gases or LP gas-air mixtures at pressures not in excess of ½ psig (3.5 kPa). These connectors are intended for use with residential and commercial gas appliances that are not frequently moved after installation.

* BSR Z21.69-201X, Standard for Connectors for Moveable Gas Appliances (same as CSA 6.16) (revision of ANSI Z21.69-2008, ANSI Z21.69a-2012 (R2013))

Stakeholders: Manufacturers, consumers, gas suppliers, and certifying agencies.

Project Need: Revised and new text.

Details test and examination criteria for gas appliance connectors consisting of flexible tubing for connecting gas supply piping to a gas appliance mounted on casters or otherwise subject to movement. These connectors are limited to a maximum length of 6 feet (1.83 m). These connectors are suitable for use with natural, manufactured, or mixed gases; liquefied petroleum gases; or LP gas-air mixtures, at pressures not in excess of 1/2 psi (3.5 kPa).

* BSR Z21.75-200x, Connectors for Outdoor Gas Appliances and Manufactured Homes (same as CSA 6.27) (revision of ANSI Z21.75 -2007 (R2012), ANSI Z21.75a-2009 (R2012))

Stakeholders: Consumers, manufacturers, gas suppliers, and certifying agencies.

Project Need: Revised and new text.

Details test and examination criteria for connectors suitable for non-rigid connection of outdoor gas appliances not frequently moved after installation, or manufactured (mobile) homes to gas supply lines containing natural, manufactured, mixed, and liquefied petroleum (LP) gases and LP gas-air mixtures at pressures not in excess of 1/2 psi (3.5 kPa). These connectors shall have a nominal length of not less than 1 foot nor more than 6 feet.

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 720-B-201x, Specification for Small Form Factor 63.5 millimeters (2.5 inches) Disk Drives (revision and redesignation of ANSI/EIA 720-A-2007)

Stakeholders: Electronics, electrical and telecommunications industry.

Project Need: Revise and redesignate current ANS.

This standard defines the dimensions and connector locations of 63.5-millimeter (2.5-inch) small form factor disk drives. The purpose of this standard is to define the external characteristics of small form factor disk drives so that products from different vendors may be used in the same mounting configurations. The standard provides specifications on external dimensions, connectors, connector placement, and mounting holes to assist manufacturers in the systems integration of small form factor disk drives.

NASBLA (National Association of State Boating Law Administrators)

Office: 1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511

Contact: *Pamela Dillon*

E-mail: pam@nasbla.org

BSR/NASBLA 101-201X, Basic Boating Knowledge - Human-Propelled, Paddlesports, Etc. (new standard)

Stakeholders: Boating course providers, states and local government, national non-profits, federal agencies, boating public.

Project Need: To establish the national standard for use by course providers to meet the needs of recreational boaters for basic boating knowledge in order to identify and reduce primary risk factors and mitigate their effects on recreational boating.

This standard covers introductory knowledge to recognize and mitigate risks found in non-motorized recreational boating.

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Contact: *Karen Willis*

Fax: (703) 841-3377

E-mail: Karen.Willis@nema.org

* BSR C78.901-201x, Electric Lamps - Single-Based Fluorescent Lamps -Dimensional and Electrical Characteristics (revision of ANSI ANSLG C78.901-2014)

Stakeholders: Manufacturers, test labs, users.

Project Need: This project is needed to update and revise the standard and three (3) lamp datasheets.

The scope of this project is to update the Programmed Start Requirements for 3 datasheets and slightly revise Section 6 to help clarify which lamps are included in the Methods of Measurement.

NENA (National Emergency Number Association)

Office: 3524 Sciotangy Drive
Columbus, OH 43221

Contact: *Roger Hixson*

E-mail: rhixson@nena.org

BSR/NENA STA-020.1-201X, NENA Standard for 9-1-1 Call Processing (new standard)

Stakeholders: Primarily, 9-1-1 Center (Public Safety Answering Points - PSAPs) managers and operators, numbering approximately 5900 in the USA and Canada.

Project Need: Standardize expectations and requirements for 9-1-1 emergency call answering.

This work will combine and update current NENA standards in the areas of: (1) Guidelines for minimum response to wireless 9-1-1 calls, (2) Call answering standard/model recommendation, (3) Emergency call processing protocol standard, and (4) Silent or hang-up 9-1-1 calls for service (information document). NENA will intend and attempt to engage both NFPA and APCO to develop a joint ANSI-accredited standard. All three organizations are ANSI-Accredited Standards Developers, and this joint effort should ensure the harmonization of our standards in the above areas.

NSF (NSF International)

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

Contact: *Allan Rose*

Fax: (734) 827-7875

E-mail: arose@nsf.org

* BSR/NSF 500-201x, GRAS Ingredient Safety Assessment (new standard)

Stakeholders: Product and ingredient manufacturers, distributors, retailers, industry associations, regulators, consumer organizations, and GRAS assessment services providers.

Project Need: Establish a national standard to create a consistent process for the assessment of GRAS ingredient uses. This initiative would support standardization of the process of GRAS assessment criteria, benefiting all stakeholders by improving transparency and providing added assurance of compliance.

This Standard is intended to be publicly available and provide clear guidance on how to conduct ingredient safety assessment for GRAS (Generally Recognized As Safe) uses. It will operate on a science-based framework that specifies a rigorous and transparent ingredient safety process. The procedures included will also ensure GRAS assessments meet the regulatory requirements of the Food, Drug and Cosmetic Act. This PAS will be developed by an independent body of technical experts in an open public process that includes interested stakeholders and be suitable for accreditation by ANSI.

PMI (Project Management Institute)

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

Contact: *Lorna Scheel*

Fax: (610) 356-4647

E-mail: lorna.scheel@pmi.org

BSR/PMI 08-002-201x, The Standard for Program Management - Fourth Edition (revision of ANSI/PMI 08-002-2012)

Stakeholders: Anyone interested in the program management profession such as senior executives, program managers, managers of projects, members of project management offices, functional managers with employees assigned to project teams, educators teaching project management related subjects, consultants and other specialists in project management and related fields, trainers developing project management educational programs, researchers analyzing project management, etc.

Project Need: The Program Management profession continues to mature and the Standard for Program Management needs to be updated to meet this maturation.

The Standard for Program Management - Fourth Edition provides guidelines for managing programs within an organization. It defines program management (a collection of projects) and related concepts, describes the program management life cycle and outlines related processes. A cover-to-cover revision is planned for continuous improvement and to address needed modifications.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341

Contact: *Travis Murdock*

Fax: (610) 363-5898

E-mail: tmurdock@scte.org

BSR/SCTE EMS 020-201x, Energy Metrics for Cable Operator Access Networks (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This document proposes metrics for measuring the energy efficiency of access networks (AN). For the purposes of this document, the AN includes all active and passive equipment between a headend or hub and the demarcation point at the user premise. This document does not include equipment inside the hub, nor does it include consumer premise equipment (CPE).

BSR/SCTE EMS 023-201x, Energy Metrics for Cable Operator Edge and Core Facilities (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This document proposes metrics for measuring the energy efficiency of cable edge and core network facilities. This document does not include labs or testing facilities or customer premise equipment (CPE). A separate proposed standard details similar metrics for the access portion of the cable provider network.

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

E-mail: jing.kwok@vita.com

ANSI/VITA 49.0-2009 (R201x), VITA Radio Transport (VRT) Standard (revision of ANSI/VITA 49.0-2009)

Stakeholders: Manufacturers and users of VITA Radio Transport.

Project Need: Provide standard for use on VITA Radio Transport.

The VITA Radio Transport (VRT) standard defines a transport-layer protocol designed to promote interoperability between RF (radio frequency) receivers and signal processing equipment in a wide range of applications. These include spectral monitoring, communications, radar, and others. In support of this variety of applications, the VRT protocol provides a variety of formatting options that allow the transport layer to be optimized for each application. VRT also enables high-precision timestamping to provide time synchronization between multiple receiver channels.

ANSI/VITA 49.1-2009 (R201x), VITA Radio Link Layer (VRL) (revision of ANSI/VITA 49.1-2009)

Stakeholders: Manufacturers and users of VITA Radio Link Layer.

Project Need: Provide standard for use on VITA Radio Link Layer.

This standard, the VITA Radio Link Layer (VRL) standard, specifies an optional encapsulation protocol for VITA-49.0 (VRT) packets.

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.

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

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114-1112
Phone: (919) 625-6864
Fax: (386) 944-2794
Web: www.apcoIntl.org

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Rd
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 923-2875
Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

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

ASPE
American Society of Plumbing Engineers
6400 Shafer Court
Suite 350
Rosemont, IL 60018
Phone: (847) 296-0002
Fax: (847) 296-2963
Web: www.aspe.org

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8841
Fax: (202) 347-7125
Web: www.atis.org

AWS
American Welding Society
8669 NW 36 Street
#130
Miami, FL 33166
Phone: (305) 443-9353
Fax: (305) 443-5951
Web: www.aws.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 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990
Fax: (216) 520-8979
Web: www.csa-america.org

ECIA
Electronic Components Industry Association
2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

GTESS
Georgia Tech Energy & Sustainability Services
75 Fifth Street N.W
Suite 300
Atlanta, GA 30308
Phone: (404) 407-6404
Fax: (404) 894-8194
Web: www.innovate.gatech.edu

IEEE (ASC N42)
Institute of Electrical and Electronics Engineers
100 Bureau Drive M/S 8462
Gaithersburg, MD 20899-8462
Phone: (301) 975-5536
Fax: (301) 926-7416
Web: www.ieee.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5746
Fax: (202) 638-4922
Web: www.incits.org

NASBLA
National Association of State Boating Law Administrators
1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511
Phone: (859) 225-9487
Web: www.nasbla.org

NEMA (ASC C78)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 1752
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3377
Web: www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 1752
Rosslyn, VA 22209
Phone: (703) 841-3285
Fax: (703) 841-3385
Web: www.nema.org

NENA
National Emergency Number Association
3524 Sciotangy Drive
Columbus, OH 43221
Phone: (202) 618-4405
Web: www.nena.org

NPES (ASC CGATS)
NPES
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7229
Fax: (703) 620-0994
Web: www.npes.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.org

PLASA
PLASA North America
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.plasa.org

PMI (Organization)
Project Management Institute
14 Campus Blvd
Newtown Square, PA 19073-3299
Phone: (313) 404-3507
Fax: (610) 356-4647
Web: www.pmi.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341
Phone: (610) 594-7308
Fax: (610) 363-5898
Web: www.scte.org

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3198
Fax: (847) 664-3198
Web: www.ul.com

VITA
VMEbus International Trade Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (613) 799-5745
Web: www.vita.com

ISO Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

AIR QUALITY (TC 146)

ISO/DIS 12219-6, Interior air of road vehicles - Part 6: Method for the determination of the emissions of semi-volatile organic compounds from vehicle interior parts and materials at higher temperature - Small chamber method - 4/27/2015, $67.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 12812-1, Core Banking - Mobile Financial Services - Part 1: General framework - 5/9/2015, $98.00

ISO/DIS 12812-2, Core Banking - Mobile Financial Services - Part 2: Security and data protection for mobile financial services - 5/9/2015

ISO/DIS 12812-4, Core Banking - Mobile Financial Services - Part 4: Mobile payments-to-person - 5/9/2015

ISO/DIS 12812-5, Mobile Financial Services - Part 5: Mobile Person-to-Business Payments - 5/9/2015

CRANES (TC 96)

ISO/DIS 4302, Cranes - Wind load assessment - 2/25/2015, $77.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 12647-6/DAmd1, Graphic technology - Process control for the production of half-tone colour separations, proofs and production prints - Part 6: Flexographic printing - Amendment 1 - 5/7/2015, $29.00

GRAPHICAL SYMBOLS (TC 145)

ISO/DIS 28564-2, Public information guidance systems - Part 2: Design principles and requirements for location signs and direction signs - 4/27/2015, $88.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 10896-2, Rough-terrain trucks - Safety requirements and verification - Part 2: Slewing trucks - 4/27/2015, $119.00

ROAD VEHICLES (TC 22)

ISO/DIS 17488, Road vehicles - Transport information and control systems - Detection-Response Task (DRT) for assessing attentional effects of cognitive load in driving - 5/7/2015, $146.00

ISO/DIS 10924-1, Road vehicles - Circuit breakers - Part 1: Definitions and general test requirements - 2/25/2015, $67.00

ISO/DIS 11898-1, Road vehicles - Controller area network (CAN) - Part 1: Data link layer and physical signalling - 4/27/2015, $134.00

ROLLING BEARINGS (TC 4)

ISO/DIS 15242-1, Rolling bearings - Measuring methods for vibration - Part 1: Fundamentals - 5/7/2015, $67.00

ISO/DIS 15242-2, Rolling bearings - Measuring methods for vibration - Part 2: Radial ball bearings with cylindrical bore and outside surface - 5/7/2015, $46.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1421, Rubber- or plastics-coated fabrics - Determination of tensile strength and elongation at break - 5/10/2015, $62.00

ISO/DIS 6134, Rubber hoses and hose assemblies for saturated steam - Specification - 11/6/2026, $62.00

ISO/DIS 4674-1, Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods - 11/12/2002, $58.00

ISO/DIS 5470-1, Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 1: Taber abrader - 5/3/2015

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 484-2, Shipbuilding - Ship screw propellers - Manufacturing tolerances - Part 2: Propellers of diameter between 0,80 and 2,50 m inclusive - 5/1/2015, $58.00

SMALL CRAFT (TC 188)

ISO 21487/DAmd2, Small craft - Permanently installed petrol and diesel fuel tanks - Amendment 2 - 2/28/2015, $29.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 18276, Welding consumables - Tubular cored electrodes for gas-shielded and non-gasshielded metal arc welding of highstrength steels - Classification - 5/10/2015, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 27013, Information technology - Security techniques - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - 2/25/2015

ISO/IEC DIS 7816-8, Identification cards - Integrated circuit cards - Part 8: Commands and mechanisms for security operations - 2/25/2015, FREE

ISO/IEC DIS 23001-12, Information technology - MPEG systems technologies - Part 12: Sample Variants in the ISO Base Media File Format - 2/25/2015, FREE

ISO/IEC DIS 29167-19, Information technology - Automatic identification and data capture techniques - Part 19: Air Interface for security services crypto suite RAMON - 2/25/2015, FREE

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

ADDITIVE MANUFACTURING (TC 261)

ISO 17296-2:2015, Additive manufacturing - General principles - Part 2: Overview of process categories and feedstock, $88.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 5527:2015, Cereals - Vocabulary, $51.00

JEWELLERY (TC 174)

ISO 15093:2015, Jewellery - Determination of precious metals in 999 0/00 gold, platinum and palladium jewellery alloys - Difference method using ICP-OES, $88.00

OTHER

ISO/IEC TR 17026:2015, Conformity assessment - Example of a certification scheme for tangible products, $173.00

SMALL TOOLS (TC 29)

ISO 9138:2015, Abrasive grains - Sampling and splitting, $51.00

ISO Technical Specifications

SIZING SYSTEM, DESIGNATIONS AND MARKING FOR BOOTS AND SHOES (TC 137)

ISO/TS 19407:2015, Footwear - Sizing - Conversion of sizing systems, $88.00

ISO/TS 19408:2015, Footwear - Sizing - Vocabulary and terminology, $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-8/Cor1:2015, Information technology - MPEG systems technologies - Part 8: Coding-independent code points - Corrigendum, FREE

IEC Standards

ALL-OR-NOTHING ELECTRICAL RELAYS (TC 94)

IEC 61811-1 Ed. 2.0 b:2015, Electromechanical telecom elementary relays of assessed quality - Part 1: Generic specification and blank detail specification, $303.00

IEC 62246-1 Ed. 3.0 b:2015, Reed switches - Part 1: Generic specification, $351.00

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

IEC 62037-2 Ed. 1.0 b:2012, Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies, $31.00

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

IEC 60915 Ed. 2.0 b cor.1:2007, Corrigendum 1 - Fixed capacitors for use in electronic equipment - Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components, FREE

FUEL CELL TECHNOLOGIES (TC 105)

IEC 62282-3-100 Ed. 1.0 b:2002, Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety, $339.00

FUSES (TC 32)

IEC 60691 Amd.1 Ed. 3.0 b:2006, Amendment 1 - Thermal-links - Requirements and application guide, $61.00

IEC 60691 Amd.2 Ed. 3.0 b:2010, Amendment 2 - Thermal-links - Requirements and application guide, $17.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 62504 Ed. 1.0 b:2014, General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions, $182.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 62320-3 Ed. 1.0 en:2015, Maritime navigation and radiocommunication equipment and systems - Automatic identification systems (AIS) - Part 3: Repeater stations - Minimum operational and performance requirements - Methods of test and required test results, $363.00

OTHER

CISPR 13 Ed. 5.1 b:2015, Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement, $363.00

CISPR 13 Amd.1 Ed. 5.0 b:2015, Amendment 1 - Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement, $31.00

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

IEC 62396-3 Ed. 1.0 en:2013, Process management for avionics - Atmospheric radiation effects - Part 3: System design optimization to accommodate the single event effects (SEE) of atmospheric radiation, $206.00

IEC 62396-5 Ed. 1.0 en:2014, Process management for avionics - Atmospheric radiation effects - Part 5: Assessment of thermal neutron fluxes and single event effects in avionics systems, $157.00

ROTATING MACHINERY (TC 2)

IEC 60034-18-41 Ed. 1.0 b:2014, Rotating electrical machines - Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters - Qualification and quality control tests, $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

Approvals of Reaccreditations

ARMA International

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of ARMA International, an ANSI organizational member, has been approved under its recently revised operating policies and procedures for documenting consensus on ARMA-sponsored American National Standards, effective February 2, 2015. For additional information, please contact: Nancy D. Barnes, PhD, CRM, CA, Standards Consultant, ARMA International, 11880 College Blvd, Ste. 450, Overland Park, KS 66210; phone: 913.312.5565; e-mail: standards@armaintl.org.

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

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA), an ANSI organizational member, has been approved under its recently revised operating procedures for documenting consensus on RESNA-sponsored American National Standards, effective February 4, 2015. For additional information, please contact: Ms. Yvonne Meding, Secretary, Assistive Technology Standards Board, RESNA, 1700 N. Moore Street, Suite 1540, Arlington, VA 22209-1903; phone: 703.524.6686, ext. 403; e-mail: YMeding@resna.org.

Society of the Plastics Industry, Inc. d/b/a SPI – The Plastics Industry Trade Association

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of Society of the Plastics Industry, Inc. d/b/a SPI – The Plastics Industry Trade Association, an ANSI organizational member, has been approved under its recently revised operating procedures for documenting consensus on SPI-sponsored American National Standards, effective February 4, 2015. For additional information, please contact: Mr. David Felinski, Standards Program Coordinator, SPI – The Plastics Industry Trade Association, P.O. Box 690905, Houston, TX 77269; phone: 832.446.6999; e-mail: dfelinski@b11standards.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065

Compatible Electronics, Inc.

Comment Deadline: March 9, 2015

Mr. Jeff Klinger
Director of Engineering/Quality Manager
Compatible Electronics, Inc.
114 Olinda Drive
Brea, CA 92823
Phone: 714-579-0500
Fax: 714-528-8984
E-mail: jeff@celectronics.com
Web: www.celectronics.com

On February 4, 2015, the ANSI Accreditation Committee voted to approve Accreditation in accordance with ISO/IEC 17065 for Compatible Electronics, Inc. for the following:

SCOPE:

FCC (A1) Unlicensed Radio Frequency Devices
FCC (A2) Unlicensed Radio Frequency Devices
FCC (A4) Unlicensed Radio Frequency Devices
FCC (C) Telephone Terminal Equipment

Please send your comments by March 9, 2015 to Reinaldo Balbino Figueiredo, Sr. 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, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287. or e-mail: njackson@ansi.org.

International Organization for Standardization (ISO)

Call for U.S.TAG Participants

U.S. TAG to ISO/TC 131/SC 1 – Terminology, Classification and Symbols

Please be advised that the National Fluid Power Association (NFPA) has committed to administering the new US/TAG to ISO/TC 131/SC 1, Terminology, classification and symbols, which was recently reactivated. The secretariat has been assigned to Germany (DIN).

Organizations interested in participating on the US/TAG should contact ANSI's ISO Team at isot@ansi.org.

New Field of ISO Technical Activity

Bamboo and Rattan

Comment Deadline: March 13, 2015

SAC (China) has submitted to ISO a proposal (and additional information) for a new field of ISO technical activity on the subject of Bamboo and Rattan, with the following scope statement:

> Standardization of bamboo, rattan, and derived materials, including terminology, classification, specifications, test methods and quality requirements.

Anyone wishing to review this new proposal (and additional information) 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 Friday, March 13, 2015.

Meeting Notices

A10 ASC – Construction and Demolition Operations

The American Society of Safety Engineers (ASSE) serves as the secretariat of the ANSI Accredited A10 Committee (A10 ASC) for Construction and Demolition Operations. The next meeting of the A10 ASC will be held on July 15th, 2015 at the International Brotherhood of Electrical Workers (IBEW) in Washington, DC. Those who have interest in the committee are encouraged to attend. In addition, subgroup meetings of the A10 ASC will be held the day before or after the main meeting. The A10 ASC has a series of subgroups addressing a wide variety of construction and demolition issues ranging from trenching and shoring to ergonomic injury prevention and health hazards. The subgroup meeting schedule will be provided upon request.

Interested attendees should contact:

Tim Fisher, CSP, CAE, CHMM, CPEA, ARM
Director, Practices and Standards
American Society of Safety Engineers (ASSE)
1800 East Oakton Street
Des Plaines, IL 60018
Phone: 847/768-3411
Fax: 847/296-9221
E-mail: TFisher@ASSE.Org

U.S. TAG for ISO PC283 Committee

The U.S. TAG to ANSI for the ISO PC283 Committee (Proposed ISO 45001 Standard for Health and Safety Management Systems) will be meeting at Google in San Francisco from April 20th to the 22nd. The full and breakout meeting schedule will be provided prior to the meeting. There will be an RSVP site established and announced with registration information later this spring. If you should have any questions about attendance, please contact Tim Fisher with ASSE on behalf of the secretariat.

Tim Fisher, CSP, CAE, CHMM, CPEA, ARM
Director, Practices and Standards
American Society of Safety Engineers (ASSE)
1800 East Oakton Street
Des Plaines, IL 60018
Phone: 847/768-3411
Fax: 847/296-9221
E-mail: TFisher@ASSE.Org

Information Concerning

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065

PCTEST Engineering Laboratory, Inc.

Comment Deadline: March 9, 2015

Mr. Randy Ortanez
President
PCTEST Engineering Laboratory, Inc.
6660-B Dobbin Road
Columbia, MD 21045
Phone: 410-290-6652
Fax: 410-290-6654
E-mail: randy@pctestlab.com
Web: www.pctestlab.com

On February 6, 2015, the ANSI Accreditation Committee voted to approve Accreditation in accordance with ISO/IEC 17065 for PCTEST Engineering Laboratory, Inc. for the following:
SCOPE:

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
FCC (C) Telephone Terminal Equipment

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

Please send your comments by March 9, 2015 to Reinaldo Balbino Figueiredo, Sr. 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, Sr. 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.

ATIS-0300094.20xx14

(Revision of ATIS-0300094.201412)

American National Standard for Telecommunications

Trouble Type Codes in Support of ATIS Trouble Administration Standards

Alliance for Telecommunications Industry Solutions

Approved August 8, 2014

American National Standards Institute, Inc.

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Abstract

This document contains a canonical listing of Trouble Type Codes to be used in the Electronic Bonding process as specified in ATIS-0300003.2012 and ATIS-0300227.2008.

Table of Contents

Trouble Type Code	*Type Code*
openToDemarc	617
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lossEPSCSorSwitchedServices	627
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openEPSCSorSwitchedServices	630
otherVoiceDescribeAdditInfo	631
trunkBlockedFarEnd	632
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lowLevels	901
highLevels	902
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Trouble Type Code	*Type Code*
callForwardingBusyLineNotWorking	1116
callForwardingNoAnswerNotWorking	1117
huntingNotWorking	1118
selectiveCallForwardingNotWorking	1119
cannotSetupUniqueRingID	1120
callerIDBlockNotWorkingPerLine	1121
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highDistortion	1210
noDataLoopback	1211
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errors	1224
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slowResponse	1228
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Trouble Type Code	*Type Code*
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noDSLConnectivity	1232
slowDSLThroughput	1233
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stuckSender	1417
otherStationTrouble	1418
cutoverBuriedDrop	1419
otherCaseGroup	1500
callTransferProblem	1501
callWaitingProblem	1502
customCallFeatureDoNotWork	1503
information	1504
threeWayCallingProblem	1505
orderWork	1506

C136.38-201X
Recirculation Public Review Draft

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Section 2: Normative References

ANSI C136.2-2004 (R2009)~~8~~, *American National Standard for Roadway and Area Lighting Equipment—~~Fiber-Reinforced Composite (FRC) Lighting Poles~~Luminaire Voltage Classification*

FCC Title 47, Part 1~~85, Subpart B~~

Section 5.6:

5.6 ~~Environmental~~ Lamp Operation

~~5.6.1 Shielding~~

~~All electrical components shall be properly shielded so as to comply with all applicable FCC regulations regarding RFI (Radio Frequency Interference) and EMI (Electromagnetic Interference).~~

~~5.6.2 Lamp Operation~~

The lamp shall be suitable for operation in an open luminaire with no filter or lens required or in a suitably enclosed luminaire. If the lamp exceeds safe UV exposure standards set by the ANSI/IESNA RP-27 Series, then lamp shall be labeled with the appropriate Risk Group rating as defined by ANSI/IESNA RP-27.

Section 6.5 Color Temperature

Because different lamp types exhibit varying color temperatures depending on design and manufacturer, the manufacturer's literature should be referenced when purchasing lamps.

Manufacturers shall specify the CCT, range of variation of the fixture in ANSI C78.377, or as seen in Table 1. This is verified by testing in IES LM-79 for Solid State Lighting Products.

TABLE 1
ALLOWABLE NOMINAL CCT (ADAPTED FROM ANSI C78.377)

Outdoor White Color Range	Manufacturer-Rated Nominal CCT (K)	Allowed CCT from LM-79 Report	
		Measured CCT (K)	Measured Duv
Warm	2700	2580 to 2870	-0.0001~~-0.006 to 0.006~~
	3000	2870 to 3220	0.0001~~-0.006 to 0.006~~
	3500	3220 to 3710	0.0004~~-0.006 to 0.006~~
Neutral	4000	3710 to 4260	0.0009~~-0.005 to 0.007~~
	4500	4260 to 4746~~5~~	0.0014~~-0.005 to~~

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			~~0.007~~
Cool	5000	474~~65~~ to 531~~20~~	~~0.0019 0.004 to 0.008~~
	5700	531~~20~~ to 602~~20~~	~~0.0024 0.004 to 0.008~~
	6500	602~~20~~ to 704~~20~~	~~0.0030 0.003 to 0.009~~

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Section 7: Electrical Immunity

~~6.6~~ 7 **Electrical Immunity**

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~~6.6.1~~ 7.1 **Dielectric Voltage-Withstand**

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The Luminaire shall be tested as defined in ANSI C136.2. This test verifies that the Luminaire has sufficient electrical insulation and clearances to prevent shock to users. The surge protection module shall be disconnected from the system prior to the test to eliminate excessive leakage current through the device. The luminaire shall withstand the application of potential without breakdown.

TABLE 2
DIELECTRIC WITHSTAND TEST SPECIFICATION

Parameter	AC Configuration	DC Configuration
Peak Potential	$(2 \times Vin + 1000) \times \sqrt{2}$ RMS	$(2 \times Vin + 1000) \times \sqrt{2}$ Volts
Rise Time	10 seconds	2 seconds
Dwell Time	1 minute	1 minute
Fall Time	10 seconds	2 seconds
Leakage Current Limit	5mA	1mA

~~Parameter~~	~~DC Test Level / Configuration~~
~~Peak Potential~~	~~1.414 x AC Potential (2V + 1000)~~
~~Rise Time~~	~~2 seconds~~
~~Dwell Time~~	~~1 minute~~
~~Fall Time~~	~~2 seconds~~
~~Leakage Current Limit~~	~~1mA~~

7.2 ~~6.6.2~~ **Conducted and Radiated Emissions**

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The luminaire shall comply with FCC Title 47 CFR Part 18, non-consumer~~5~~. This test ensures that the luminaire does not electrically interfere with other electronic devices via power line or radiated emissions.

Emissions shall comply with the limits specified by FCC Title 47 CFR Part 18~~5~~, ~~Subpart B~~ non-consumeror as specified by user.

7~~6.6~~.3 **Surge – 1.2/50 µs – 8/20 µs Combination Wave**

The luminaire shall be protected from damage or consequential damage for surge-test waveforms as defined in ANSI C136.2 ~~for Location C,~~ for Typical, Enhanced, or Extreme exposures. This test will demonstrate the ability for an electronic product to survive surge transients in typical outdoor, roadway operating environments.

TABLE 3
TEST LEVEL

Exposure	Test Level
Typical	6kV / 3kA
Enhanced	10kV / 5kA
Extreme	20kV / 10kA

Surge voltages and surge currents originate from two major sources, lightning and switching. Lightning surges as discussed in IEEE C62.41.2-2002, are the consequences of a direct flash, a near flash, or far flash. Switching surges are the result of intentional actions on the power systems, such as load or capacitor switching. They can also be the result of unintentional events, such as power system faults and their clearing.

Special consideration should be made when determining the level of surge protection. These risk mitigations may include:

a) Geographical location – Consult National Isokeraunic map (NOAAO) for average lightning flash density.
b) Power line impedance to the surge.
c) Type of electrical loads.
d) Wiring quality.

The luminaire shall comply with ANSI C136.2.

7~~6.6~~.8 Inrush Current

~~The luminaire shall comply with NEMA 410, Table B-2.~~ The luminaire shall comply with NEMA 410, Table B-2. The test will measure the inrush current of the luminaire during startup and compare the result to the product specification. The inrush characteristics are essential to lighting system design. A large inrush current can cause the electrical system to fail. The test should be done with a shorting cap in place of the photocontrol.

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The source impedance is a limiting factor on inrush current and is considered in determination of the test circuitry. Ensure the total line impedance provided to the DUT is approximately 450 mΩ and 100uH. Apply power to the DUT at the worst case phase angle (90, 270) and measure inrush current, including waveforms.

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~~The luminaire shall comply with NEMA 410, Table B-2. The test will measure the inrush current of the luminaire during startup and compare the result to the product specification. The test should be done with a shorting cap in place of the photo-control.~~

BSR/UL 94, *Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances*

1. Definition of a new classification for Carbon Black (as colorant) in UL 94

PROPOSAL

7.3.4 Specimens in the natural and in the most heavily pigmented light color (often white) and dark colors (often black/including carbon black) are to be provided and considered representative of the color range, if the test results are essentially the same. In addition, a set of specimens is to be provided in the heaviest organic pigment loading (not carbon black), unless the most heavily pigmented light and dark colors include the highest organic pigment level. ~~As coloring in the most heavily pigmented dark color is done by use of carbon black, a set of specimens in the heaviest organic pigment loading is always needed.~~ When certain color pigments (for example, red, yellow, or the like) are known to affect flammability characteristics, they are also to be provided.

8.3.4 Specimens in the natural and in the most heavily pigmented light color (often white) and dark colors (often black/including carbon black) are to be provided and considered representative of the color range, if the test results are essentially the same. In addition, a set of specimens is to be provided in the heaviest organic pigment loading (not carbon black), unless the most heavily pigmented light and dark colors include the highest organic pigment level. When certain color pigments (for example, red, yellow, or the like) are known to affect flammability characteristics, they are also to be provided.

10.2.3 Specimens in the natural and in the most heavily pigmented dark color (often black/including carbon black) are to be provided and considered representative of the color range, if the burning characteristics are essentially the same. In addition, a set of specimens is to be provided in the heaviest organic pigment loading (not carbon black), unless the most heavily pigmented dark color includes the highest organic pigment level. When certain color pigments (for example, red, yellow, or the like) are known to affect flammability characteristics, they are also to be provided.

BSR/UL 162, Standard for Safety for Foam Equipment and Liquid Concentrates

1. Drop Test for Larger Containers

PROPOSAL

16A 10-Day Moist Ammonia Air Stress Cracking Test

16A.1 After being subjected to the conditions described in 16A.2 - 16A.4 , a brass part containing more than 15 percent zinc when examined using 25X magnification shall:

a) Show no evidence of cracking; or

~~b) Comply with the Hydrostatic Pressure Test, in Section 14 at two times the maximum operating pressure rather than four times the maximum operating pressure, if there is evidence of cracking.~~

b) Show evidence of cracking when examined using 25X magnification; and

1) For parts that are pressure retaining, comply with the Hydrostatic Pressure Test, in Section 14 at two times the maximum operating pressure rather than four times the maximum operating pressure.

2) For parts that are not pressure retaining, function as intended when operated at its highest inlet pressure and highest flow for 2 minutes.

2. Drop Test for Larger Containers

PROPOSAL

21 Drop Test

21.1 A filled container shall sustain the dropping specified in 21.2 without rupture and without leakage of the concentrate it contains. Also, the container cap or plug shall be capable of being removed using a drum wrench or other appropriate tool.

21.2 For containers other than 265 gallon (1000 liter) [for example, 5 gallon (20 liter) through 55 gallon (210 liter)], three ~~Three~~ sample containers filled with the intended foam liquid concentrate or similar antifreeze solution ~~intended to be stored in them are to~~ shall be conditioned for at least 24 hours at the minimum recommended storage temperature + 0/– 5°F.(+ 0/– 2.8°C) ~~for 24 hours~~. Immediately following the conditioning, each sample is to be dropped once from a height of 4 feet + 1/– 0 inch (1.2 m + 25/– 0 mm) onto a smooth concrete surface. The first sample is to strike on its bottom edge, ~~the second~~ another sample container on its side, and the ~~third~~ other sample container on its top. Each drop is to impact what is considered the most critical location. The samples are then to be examined for leakage. Following this, the samples are to be conditioned for 24 hours at 70°F (21°C) and then reexamined for leakage. The samples are to be checked to verify that the cap or plug can be removed using a drum wrench or other appropriate tool. At the option of the manufacturer, a single container may be used for all three drops.

21.3 For 265 gallon (1000 liter) or larger tote containers or Intermediate Bulk Containers (IBC), a container shall be filled with the intended foam liquid concentrate or similar antifreeze solution and shall be conditioned for at least 24 hours at the minimum recommended temperature + 0/– 5°F.(+ 0/– 2.8°C). Immediately following conditioning, the container shall be dropped on its bottom edge from a height of 4 feet, ± 1/– 0 inch (1.2 m + 25/– 0 mm) onto a smooth concrete surface The container shall be capable of being lifted by appropriate means until clear of the floor for five minutes.

21.4 The sample(s) are then to be examined for leakage. Following examination, the samples are to be

conditioned for 24 ±1 hours at 70 ±10°F (21 ±5.6°C) and then reexamined for leakage. The samples are to be checked to verify that the cap or plug can be removed using a drum wrench or other appropriate tool.

3. Exposure Tests for Polymeric Materials and Fiberglass Components Used in Parts Other Than Containers

PROPOSAL

20 Exposure Tests for Polymeric Materials and Fiberglass Components Used in Parts Other Than Containers

20.1 Air-oven aging test

20.1.1 Following air oven aging for 180 days at 212 ±3.6°F (100 ±2°C), a polymeric or fiberglass component part used in parts other than nonmetallic containers~~shall~~:

a) Shall remain secure when attached to other plastic or nonplastic parts or assemblies;

~~a)~~ b) Shall show ~~Show~~ no evidence of cracking; and

~~b)~~ c) Shall function as intended when ~~Be~~ operated at its highest inlet ~~recommended~~ pressure and highest flow rate for 2 minutes.

Exception: An air oven aging test at a lower temperature for a longer period of time or a higher temperature for a shorter period of time is permitted to be applied. The duration of exposure is to be calculated from the following formula:

$$D = (184049)e^{-0.0693t}$$

where:

D = test duration in days, and

t = test temperature, °C.

~~20.1.2 A part attached to other plastic or nonplastic parts or assemblies shall remain secure after air-oven aging.~~

~~20.1.3 If a material cannot withstand the temperature specified in 20.1.1 without excessive softening, distortion, or deterioration, an air-oven aging test at a lower temperature for a longer period of time may be applied. The duration of exposure is to be calculated from the following formula:~~

$$D = (184049)e^{-0.0693t}$$

~~*where:*~~

~~*D = test duration in days, and*~~

~~*t = test temperature, °C.*~~

20.1.4 The specimens to be aged are to be supported in a full draft, circulating air oven that has been preheated at full draft to the exposure test temperature. Samples are to be supported so as not to touch one another or the sides of the oven. The samples are to be aged for the required time period at full draft

and then allowed to cool in air at 73.4 ±3.6°F (23.0 ±2.0°C) for at least 24 hours before any test or dimensional check is conducted. As used in this test, the term "full draft" refers to the airflow over the samples in the oven ~~being used~~ with inlet and outlet ~~vents~~ full open ~~and the air vent damper control being adjusted to the maximum setting to provide 250 to 350 air changes per hour~~. The oven used for accelerated aging is to be Type IIA as specified in the Standard Specification for Gravity-Convection and Forced-Ventilation Ovens, ASTM E145.

20.2 ~~Liquid~~ Foam liquid concentrate immersion test

20.2.1 ~~A part that is in continuous contact with liquid concentrates or foam solutions shall perform as intended after being immersed in the liquid concentrate or foam solution for 210 days at 122°F (50°C). A ring specimen, 1/2 inch (12.7 mm) wide and cut from an unaged part, when subjected to this conditioning, shall not exhibit degradation in excess of 15 percent of its original tensile- or ring-crushing-strength value as a result of tests specified in 20.2.3.~~ Following immersion in the foam liquid concentrate for 210 days at 50 ±2°C (122 ±3.6°F), a polymeric or fiberglass component part used in parts other than nonmetallic containers or samples prepared from the same polymeric or fiberglass component material that comes into contact with foam liquid concentrate:.

a) Shall perform as intended;

b) For cylindrical components, ring specimens, 1/2-inch (12.7-mm) wide and cut from an unaged part shall have a crush strength not less than 85 percent of the original as-received crush strength; and

c) For other components, tensile specimens either prepared from the component or sheet material representative of the component shall have a tensile strength not less than 85 percent of the original as-received tensile strength.

Exception: Where the nature of the component material is such that meaningful results are not obtained for 20.2.1(b) or 20.2.1(c), other comparative physical property tests shall be conducted. The physical property evaluated shall be not less than 85 percent of the original as-received physical property.

20.2.2 During exposure, the specimens ~~The samples~~ are not to touch each other. Following immersion, ~~After the test exposure,~~ the samples are to be rinsed with tap water and shall cool in air at 73.4 ±3.6°F (23.0 ±2.0°C) for at least 24 hours before any additional tests or dimensional measurements are conducted.

20.2.3 The crush test ring specimens shall ~~are to~~ be subjected to a crush test between two parallel flat plates using a testing machine that applies a compressive load at a uniform rate of 0.2 inch (5 mm) per minute and records the load versus the deflection. ~~Where the nature of the material is such that meaningful test results cannot be obtained, tensile tests may be conducted.~~

20.2.4 The tensile specimens shall be subjected to a tensile test using a testing machine that applies a tensile load at a uniform rate of 0.2 inch (5 mm) per minute and records the load versus the elongation.

20.2A Foam solution exposure test

20.2A.1 Following immersion in the foam solution for 210 days at 50 ±2°C (122 ±3.6°F), a polymeric or fiberglass component part used in parts other than nonmetallic containers or samples prepared from the same polymeric or fiberglass component material that comes into contact with foam solution:

a) Shall perform as intended;

b) For cylindrical components, ring specimens, 1/2-inch (12.7-mm) wide and cut from an unaged part shall have a crush strength not less than 85 percent of the original as-received crush strength; and

c) For other components, tensile specimens either prepared from the component or sheet material representative of the component shall have a tensile strength not less than 85 percent of the original as-received tensile strength.

Exception No. 1: Where the nature of the component material is such that meaningful results are not obtained for 20.2A.1 (b) or 20.2A.1(c), other comparative physical property tests shall be conducted. The physical property evaluated shall be not less than 85 percent of the original as-received physical property.

Exception No. 2: For a material that is in continuous contact with either foam liquid concentrate or foam solution, compliance with 20.2 is considered representative of 20.2A.

20.2A.2 During exposure, the specimens are not to touch each other. Following immersion, the samples are to be rinsed with tap water and shall cool in air at 73.4 ±3.6°F (23.0 ±2.0°C) for a minimum of 24 hours before any additional tests or dimensional measurements are conducted.

20.2A.3 The crush test ring specimens shall be subjected to a crush test between two parallel flat plates using a testing machine that applies a compressive load at a uniform rate of 0.2 inch (5 mm) per minute and records the load versus the deflection.

20.2A.4 The tensile specimens shall be subjected to a tensile test using a testing machine that applies a compressive load at a uniform rate of 0.2 inch (5 mm) per minute and records the load versus the elongation.

20.3 Light and water test

20.3.1 Following ultraviolet light and water exposure for 720 hours as specified in 19.2.2 , parts shall:

a) Show no evidence of cracking, and

b) Be operated at its highest recommended pressure flow rate for 2 minutes.

Exception: A part that must be cut or otherwise altered in order to be subjected to the light and water exposure is to be subjected instead to the requirements of 20.3.2 after the light and water exposure.

20.3.2 A part that must be cut or altered in order to be subjected to the conditioning specified in 20.3.1 is to be subjected to the tensile tests described in the Standard Test Method for Tensile Properties of Plastics , ASTM D638~~-91~~ . The exposed sample shall not exhibit degradation in excess of 15 percent of its “as-received” value.

4. National and International Standards Reference

PROPOSAL

CONSTRUCTION

4 Foam Equipment

4.1 Assembly

4.1.1 Pipe joint dimensions shall comply with the Standard for Pipe Threads, General Purpose, ANSI B1.20.1-83 or other ~~applicable ANSI~~ national or international pipe thread standard.

~~*Exception: Sprinklers intended for use in installations where sprinkler fittings incorporate pipe threads other than NPT threads may be provided with pipe threads complying with a national pipe thread standard compatible with those fittings.*~~

4.1.1.1 A Flange dimensions and bolt layouts used for pipe connections shall comply with the requirements in the Standard for Pipe Flanges and Flanged Fittings, ASME B16.5 or other national or international pipe flange standards.

4.1.1.2 Bolts, nuts, and studs employed for the bolting of pressure-holding castings shall comply with the applicable requirements in the Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength, ASTM A307, or other equivalent national or international bolt and stud standards; and in the Standard Specification for Carbon and Alloy Steel Nuts, ASTM A563, or other equivalent national or international nut standards.

4.1.2 The load on any ~~bolting of pressure holding castings shall be accomplished with bolts, nuts, and studs that comply with all applicable requirements~~ bolt shall not exceed the minimum tensile strength specified in the Standard Specification for Carbon Steel Bolts and Studs, 60,000 Psi Tensile Strength , ASTM A307~~-91~~ or other equivalent national or international bolt and stud standards, when the equipment is pressurized to the hydrostatic test pressure as determined by the~~. See~~ Equipment Pressurization Test, Section 15. The area of the application of pressure shall be calculated as follows:

a) If a full-face gasket is used, the area of force application is that extending out over the area circumscribed by the center line of the bolts.

b) If an "O" ring seal or ring gasket is used, the area of force application is that extending out of the center line of the "O" ring or gasket.

4.3 ~~Working~~ Rated pressure

4.3.1 Foam equipment that ~~may be~~ is subjected to pressure shall be constructed of pressure retaining components and have ~~for~~ a minimum rated working pressure of 175 psi (1.2 MPa).

4.3.2 A tank that ~~may be~~ is subjected to air, gas, or water pressure, or to a combination thereof, shall be designed, constructed, tested, inspected, and marked in accordance with Section VIII, Division 1 of the ~~ASME Boiler and Pressure Vessel Code, 1986 and shall be in accordance with 4.3.1~~ or other national or international pressure vessel code.

BSR/UL 263, Standard for Safety for Fire Tests of Building Construction and Materials

1. Revision of Requirements for Furnace Exposure Test

PROPOSAL - * *proposed new section, 5.5*

5.5 Furnace exposure

5.5.1 Measurement of Furnace Exposure

5.5.1.1 These measurements apply to furnaces used to expose a single surface of a test specimen such as furnaces used to test floors, roofs, walls and partitions.

5.5.1.2 The furnace exposure shall be measured following the practice described in Standard Practice for Measuring the Uniformity of Furnace Exposure on Tests Specimens, ASTM E2749.

5.5.1.3 The effective area of the furnace opening, as defined in ASTM E2749, shall be equal to or greater than the area required on fire test specimens for the measurement of unexposed surface temperatures. The required unexposed surface area is defined in Section 3.3.

5.5.2 Frequency

5.5.2.1 After the initial measurement of the furnace exposure, the practice shall be repeated on the furnace when either of the following two conditions occurs:

1) A 5 year period has elapsed from the previous practice; or

2) Completion of a major modification to the furnace.

Note - A major modification would consist of replacement of burners, furnace linings or combustion control equipment.

5.5.3 Performance

5.5.3.1 After the initial 10 minute exposure period, the maximum temperature difference recorded by the plate the thermometers attached to the standardized test specimen described in ASTM E2749 shall not exceed 220°F (104°C).

5.5.3.2 After the initial 10 minute exposure period, the oxygen content obtained from the sample probe mounted on the standardized test specimen described in ASTM E2749 shall not be less than 1 percent.

5.5.4 Report on furnace exposure

5.5.4.1 The test report specified in Section 9 of ASTM E2749 shall be kept on file at the test laboratory for a minimum of 5 years.

5.5.5 Report on tests conducted in accordance with Sections 6, 7, 10, and 13.

5.5.5.1 Reports shall include:

1) Date when practice described in ASTM E2749 was conducted; and

2) Statement confirming requirements stated in 5.5.3 were met.

BSR/UL 746A, *Standard for Safety for Polymeric Materials - Short Term Property Evaluations*

1. New Test Method - Microscale Combustion Calorimetry (MCC)

PROPOSAL

TESTING FOR COMBUSTIBILITY PROPERTIES OF POLYMERIC MATERIALS

49 Microscale Combustion Calorimetry

49.1 The test method for the determination of the flammability characteristics of insulating materials by Microscale Combustion Calorimetry is described in the Standard Test Method for Determining Flammability Characteristics of Plastics and Other Solid Materials Using Microscale Combustion Calorimetry, ASTM D 7309, Method B except:

a The specimen is to be conditioned at 23 +/- 2°C and 50 +/-10% relative humidity to equilibrium weight.

b The specimen is to be heated from 200 to 800°C (392 to 1472°F) at 0.8°C (1.4°F) per minute in a dry air atmosphere.

c The baseline oxygen concentration shall be 20% O_2 v/v and the oxygen concentration in the combustor shall be 20% O_2 v/v.

d) The combustor temperature shall be set to 900°C (1652°F).

49.2 ASTM D 7309, Method B describes a method in which small pieces cut from a test specimen (pellets, powder, film, molded bars, etc.) are heated at a controlled rate in a partially oxidizing atmosphere to achieve controlled thermo-oxidative decomposition of the material. The gases evolved during heating are continuously swept to a high temperature, oxygen-rich furnace in which they are totally oxidized. Specific combustion rate is then calculated by means of oxygen consumption. A plot of Heat Release Rate versus Temperature is generated to provide the material flammability characteristics.

49.3 Five specimens of the same material (five replicates) are to be tested. The results are to be reported as individual plots for each replicate or by reporting an overlay of the five replicates on the same plot. Combustibility characteristics such as maximum heat release rate, temperature at maximum heat release, total heat release, percent char Residue, etc. are to be reported as the mean values of the five replicates.

49.4 The plot of Heat Release Rate versus Temperature shall include the following information:

a) Complete identification of the material tested - including material designation, generic type and specimen form and color.

b) Manufacturer's name or tradename, or assigned code (file number).

c) Operating conditions used for combustion.

d) Test date and operator identification.

BSR/UL 1030, Standard for Sheathed Heating Elements

1. Deletion of 6.4 which references the use of X-rays to determine insulation spacing

PROPOSAL

~~6.4 To determine whether the distances between the resistance element and the sheath complies with the requirements of 6.3, measurements are to be made from two X-ray photographs of actual size taken in planes at right angles to each other at various points on the element.~~

2. Addition of an Exception to 14.2 for testing in a forced air ambient condition

PROPOSAL

14.2 The temperatures specified in Table 14.1 are based on an assumed ambient temperature of 25°C (77°F). A test may be conducted at any ambient temperature within the range of 10 - 40°C (50 - 104°F). If a test is conducted at an ambient temperature other than 25°C, the difference between the test ambient and 25°C is to be added to or subtracted from the values indicated in Table 14.1.

Exception: At the request of the manufacturer a sheathed heating element that is designed for operation only in a forced - air condition shall be subjected to the test in a forced - air ambient condition that simulates its intended end-use application.

BSR/UL 1082, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances, UL 1082

1. Clarifications for Thermostats Deleted 23.3.1, Revised 23.3 and Table 49.1

23.3 A limiting-type device shall be a thermal cutoff, a single-operation thermostat, or a manual-reset thermostat. The device and any means to actuate a reset function, shall be ~~is~~ inaccessible to the user without the use of tools.

Exception: A manually reset device of 23.3 shall be trip-free; that is, the automatic tripping shall be independent of the manipulation or position of the reset button, handle, lever, or the like. A manual reset control designated type M1 or M2 in accordance with the Standard for Temperature-Indicating and - Regulating Equipment, UL 873, is considered to comply with these requirements. Compliance with the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series as a Type 2.H or Type 2.J action fulfills these requirements.

~~23.3.1 A manually reset device of 23.3 shall be trip-free; that is, the automatic tripping shall be independent of the manipulation or position of the reset button, handle, lever, or the like. A manual reset control designated type M1 or M2 in accordance with the Standard for Temperature-Indicating and - Regulating Equipment, UL 873, is considered to comply with these requirements. Compliance with the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series as a Type 2.H or Type 2.J action fulfills these requirements.~~

Table 49.1

Minimum number of cycles of operation for endurance test

Type of thermostat	Automatically reset thermostat	Manually reset thermostat
Temperature regulating	A number of cycles equivalent to 1000 hours of intended operation under load of the appliance but not less than 6000 cycles. See footnote a) for exception.	6000 cycles under load. See footnote a) for exception.
Temperature-limiting	A number of cycles equivalent to 100 hours of operation of the appliance under any condition which caused the thermostat to function, or 100,000 cycles, whichever is greater. See footnote b) for exception.	1000 cycles under load and 5000 cycles without load. See footnote b) for exception.
Combination temperature-regulating and-limiting	100,000 cycles under load. See footnote c) and d) for exception.	Each function of the thermostat shall be subjected to the following: Regulating: 1000 cycles under load and 5000 cycles without load. Limiting where the function may be reset by the user during normal operation, including dry operation: 100,000 cycles with load. See footnote e). Limiting per 23.3 where the thermostat and its reset means are inaccessible to the user without the use of tools and contacts are separate from the regulating function: 1000 cycles under load and 5000 cycles without load. See

		footnote f). See Notes c) and d) for exceptions.

a) The test may be omitted if, with the thermostat short-circuited, no temperature higher than the limits given in Table 33.1 are attained during the normal-temperature test of the appliance.

b) The test may be omitted if, with the thermostat short-circuited, there is no evidence of risk of fire as described in 47.1.1 - 47.1.9 during the continuous abnormal operation of the appliance.

c) If, with the regulating and limiting functions of the thermostat short-circuited, there is no evidence of risk of fire as described in 47.1.1 - 47.1.9, the thermostat is to be tested as a temperature-regulating thermostat.

d) The test may be omitted if, with all functions the thermostat short-circuited, there is:

1) No temperature higher than the limits given in Table 33.1 are attained during the normal-temperature test of the appliance; and

2) No evidence of risk of fire as described in 47.1.1 - 47.1.9 during the continuous abnormal operation of the appliance.

e) The temperature sensing and mechanical reset assembly is permitted to be cycled a minimum 6,000 cycles provided the electrical contacts of the limiting function are cycled for a minimum 100,000 cycles.

f) 100,000 cycles are required of the contacts if the regulating and limiting functions use common contacts. The individual functions for regulating and limiting, other than the contacts, are only required to be a minimum 6000 cycles each when contacts are shared.

BSR/UL 1472, Standard for Safety for Solid State dimming Controls

1. Addition of requirements for ground leakage current

PROPOSAL

4.6 Grounding and bonding

4.6.5 Circuitry shall be arranged such that an equipment-grounding connection or conductor, or an equipment-bonding connection or conductor does not carry current.

Exception: A current not exceeding 0.5 mA conducted through an equipment-grounding or the equipment-bonding conductor or connection, when measured in accordance with 5.14, is not prohibited if all of the following are met:

1) The dimmer is not provided with a grounded (neutral) connection or conductor;

2) The leakage current is limited by two independent means listed below, a) to d). Each independent means shall be capable of limiting the available leakage current to not more than 0.5 mA;

a) Metal film, carbon film, wire wound, and metal glazed resistors;

b) Metallized polyester film capacitors;

c) Antenna-coupling capacitors, and line-by-pass capacitors that comply with the Standard for Capacitors and Suppressors for Radio- and Television-Type Appliances, UL 1414; and

d) Other components, if investigated and found acceptable for the application.

3) The device is marked in accordance with 7.2.6.

5.6 Dielectric voltage-withstand test

5.6.5 The impedances required by 2) of the Exception of 4.6.5 may be disconnected from the circuit before the test.

5.14 Leakage current test

5.14.1 With respect to the Exception to 4.6.5, the leakage current conducted through an equipment-grounding or the equipment-bonding conductor or connection of the dimmer shall be tested in accordance with Clause 5.14.2. A dimmer in the as-received condition is to be subjected to this test.

5.14.2 The test set up shall be in accordance with Clauses 5.13.2 - 5.13.6, except S2 described in 5.13.6 need not be switched to the second position. Switch S2 is to be maintained in the normal power setting for normal operation for this measurement. The measurements shall be taken from the points listed below to the grounded (identified) supply conductor:

a) grounding connection or conductor;

b) equipment-bonding connection or conductor, if present;

c) all exposed metal parts, when installed as intended but with the coverplate and field replaceable parts removed.

5.15 (moved from Section 5.14) Grounding and bonding conductor test

5.15.1 (moved from 5.14.1) With respect to the Exception to 4.6.2, a dimmer is to be subjected to both of the tests specified in (a) and (b). The grounding lead or bonding conductor (lead or otherwise) shall not open:

a) when carrying 40 amperes for 2 minutes on one sample; and

b) when subjected to the test on three separate samples specified in Clause 5.14.2.

5.15.2 (moved from 5.14.2) Three dimmer samples in the as-received condition are to be tested in series with a 20-ampere nonrenewable, non-time delay, cartridge fuse rated for branch circuit overcurrent protection on an a-c circuit at rated voltage capable of delivering 1000 amperes peak when the system is short-circuited at the testing terminals. A load with a 0.98 - 1.00 power factor is to be used to limit the current. One test is to be performed on the grounding lead, bonding conductor, or both the grounding lead and the bonding conductor of each dimmer sample.

7 Markings

Advisory Note: *In Canada, there are two official languages, therefore, it is necessary to have CAUTION markings in both English and French. Appendix B lists acceptable French translations of the markings specified in this Standard. When a product is not intended for use in Canada, cautionary markings may be provided in English only.*

7.2 Field wiring terminals

7.2.6 With reference to 3) of the Exception of 4.6.5, a dimmer shall be marked with the following or equivalent statement: “For use where the grounded (neutral) conductor is not provided in the outlet box.”