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American National Standards

Call for comment on proposals listed

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. **Order from the organization indicated for the specific proposal.**
2. **Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.**
3. **Include remittance with all orders.**
4. **BSR proposals will not be available after the deadline of call for comment.**

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: July 19, 2015

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 96-201x, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2010)

(1) Air terminal thickness.

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

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

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

The following changes in requirements for UL 746B are being proposed: (1) Increase generic relative thermal index for PEI.

[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

Comment Deadline: August 3, 2015

ADA (American Dental Association)

New Standard

BSR/ADA Standard No. 2000-201x, Systemized Nomenclature of Dentistry (SNODENT) (new standard)

SNODENT is a clinical terminology designed for use with electronic health records that enables the capture, aggregation, and analysis of detailed oral health data. It includes oral anatomical sites, oral health conditions, findings, and other clinical concepts unique to dentistry. It provides a standardized way to represent clinical oral health descriptions captured by dentists and enables automated interpretation of their observations.

Single copy price: Free

Obtain an electronic copy from: wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

BSR/ASABE/ISO 3776-2:2013 MONYEAR, Tractors and machinery for agriculture - Seat belts - Part 2: Anchorage strength requirements (identical national adoption of ISO 3776-2:2013)

This part of ISO 3776 specifies the strength requirements of the anchorages for pelvic restraint (seat) belts intended to be used by the operators of agricultural tractors and self-propelled machinery.

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

BSR X9.82-2-201x, Random Number Generation - Part 2: Entropy Sources (new standard)

ANS X9.82 is concerned with the generation of random bits, primarily for use in cryptographic applications. As Part 1 of this Standard establishes, the only way for this seed value to provide real security is for it to be obtained from a source that provides sufficient entropy. Directly or indirectly, the seeding of an RBG will rely upon a non-deterministic process - i.e., an entropy source. This part of ANS X9.82 describes the properties that an entropy source must have to make it suitable for use by cryptographic random-bit generators.

Single copy price: \$60.00

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

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

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B20.1-201x, Safety Standard for Conveyors and Related Equipment (revision of ANSI/ASME B20.1-2012)

This Standard applies to the design, construction, installation, maintenance, inspection, and operation of conveyors and conveying systems in relation to hazards.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Riad Mohamed, (212) 591-8460, MohamedR@asme.org

CSA (CSA Group)

Revision

BSR Z83.11-201x, Standard for Gas Food Service Equipment (same as CSA 1.8) (revision of ANSI Z83.11-2006 (R2011), ANSI Z83.11a-2007, and ANSI Z83.11b-2009)

Details test and examination criteria for gas food service equipment for use with natural, manufactured, and mixed gases; propane; liquefied petroleum gases; and LP gas-air mixtures. The standard provides coverage for ranges and unit broilers, baking and roasting ovens, counter appliances, deep fat fryers and kettles, steam cookers, and steam generators.

Single copy price: Free

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

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

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

ECIA (Electronic Components Industry Association)**Revision**

BSR/EIA 364-104B-201x, Flammability Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-104A-2000 (R2008))

This standard establishes a test method to determine a connector's resistance to burning when exposed to a flame. Burning resistance is defined as the ability to not support or propagate combustion after and ignition source is removed. This test evaluates the time it takes for the flame of a burning connector to extinguish after removal of the applied flame, and the possibility of the spread of burning, as caused by burning droplets and after-glow. This test does not simulate any actual service application. It is intended to test a connector by itself in a condition that can readily be duplicated in any test laboratory.

Single copy price: \$70.00

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

Order from: global.ihs.com (877) 413-5184

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

ECIA (Electronic Components Industry Association)**Revision**

BSR/EIA 364-111A-201x, Test Procedure for Determining the Total Ionic Contamination of an Electrical Connector or Socket Assembly or Component (revision and redesignation of ANSI/EIA-364-111-2008)

This standard establishes two methods for determining the total amount of extractable ionic contamination on the surface of an electrical connector or socket assembly or component.

Single copy price: \$75.00

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

Order from: global.ihs.com (877) 413-5184

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

ECIA (Electronic Components Industry Association)**Revision**

BSR/EIA 364-1002A-201x, Test Methodology for Assessing the Performance of Compliant Contact Terminations Used as Free Standing Contacts or in Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-1002-2008)

This standard establishes the test procedures and test sequences for evaluating compliant contact terminations. The test sequences defined herein shall be considered generic.

Single copy price: \$78.00

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

Order from: global.ihs.com (877) 413-5184

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

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

BSR N42.32-201x, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (revision of ANSI N42.32-2006)

This standard describes minimum performance requirements and test methods for evaluating the performance of alarming personal radiation detectors (PRDs) for homeland security applications. PRDs are pocket-sized and body-worn in order to detect photon-emitting, and optionally neutron-emitting, radioactive materials. The performance criteria contained in this standard are meant to provide the means for verifying the capability of the PRDs to reliably detect changes above background levels of ionizing radiation fields and alert the user to these changes. This standard also specifies the requirements and test methods for environmental, electromagnetic, and mechanical controls.

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

IKECA (International Kitchen Exhaust Cleaning Association)**Revision**

BSR/IKECA C10-201x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision and redesignation of)

This standard is intended to determine the methodology for frequency and necessity for commercial kitchen exhaust system cleaning through inspection procedures, to define acceptable methods for cleaning exhaust systems and components, and to set standards for acceptable post-cleaning cleanliness.

Single copy price: Free

Obtain an electronic copy from: gmarinilli@fernley.com

Order from: Gina Marinilli, (215) 320-3707, gmarinilli@fernley.com

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

ISA (International Society of Automation)**Revision**

BSR/ISA 18.2-201x, Management of alarm systems for the process industries (revision of ANSI/ISA 18.2-2009)

Addresses the development, design, installation, and management of alarm systems in the process industries. Alarm management includes multiple work processes throughout the alarm system lifecycle. This standard defines the terminology and models to develop an alarm system, and it defines the work processes recommended to effectively maintain the alarm system throughout the lifecycle.

Single copy price: \$99.00 usd

Order from: Charles Robinson, (919) 990-9213, crobenson@isa.org

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

PLASA (PLASA North America)***New Standard***

BSR E1.51-201x, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance, and Event Industries in Canada (new standard)

E1.51 is intended to offer guidance in accordance with existing applicable standards and regulations in Canada on how to select, install, use and maintain single-conductor portable feeder cables used to supply power for television, film, live performance, and special events in Canada.

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 30-201x, Digital Program Insertion Splicing API (revision of ANSI/SCTE 30-2005)

This Application Program Interface (API) creates a standardized method of communication between servers and splicers for the insertion of content into any MPEG-2 Output Multiplex in the splicer. This API is flexible enough to support one or more servers attached to one or more splicers. Digital Program Insertion includes content such as spot advertisements of various lengths, program substitution, public service announcements, or program material created by splicing portions of the program from a server.

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.)***Revision***

BSR/UL 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 06-19-15) (revision of ANSI/UL 498-2014a)

This proposal includes: (1) Revision to SG4.3 use of nonmetallic sheathed interconnect devices; (2) New Supplement SH - Magnetically Coupled Cord Connector and Inlet.

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: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

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

BSR/UL 923-201x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2013a)

(1) Addition of requirements for polymeric materials.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 1004-5-201X, Standard for Safety for Fire Pump Motors (revision of ANSI/UL 1004-5-2011)

(1) Expand scope of UL 1004-5 to include larger horsepower, IEC design N, and single-phase motors.

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: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

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

BSR/UL 1638-201X, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2008 (R2013))

Recirculation of changes for the proposed 5th edition of UL 1638, a binational standard with requirements for the U.S. and Canada covering electrically operated visual signaling appliances, rated 300 volts or less, intended for indoor locations and outdoor locations in accordance with CSA C22.1, Canadian Electrical Code, Part I; CAN/ULC-S524, Installation of Fire Alarm Systems; National Electrical Code, NFPA 70; and National Fire Alarm and Signaling Code, NFPA 72.

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: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

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

BSR/UL 2231-1-201X, Standard for Safety for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits - Part 1: General Requirements (revision of ANSI/UL 2231-1-2012)

(1) Revision to require a ground monitor/interrupter circuit for hardwired and cord-connected EVSE (Deletion of Cable Flexing Test, Section 37 of UL 2231-2); (2) Clarification of requirements for isolation monitors for EV charging equipment; (3) Additional reference to CSA C22.2 No. 0; (4) Addition of definition for programmable components.

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: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

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

BSR/UL 2231-2-201X, Standard for Safety for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits - Part 2: Particular Requirements for Protection Devices for Use in Charging Systems (revision of ANSI/UL 2231-2-2012)

(1) New section for environmental sequence; (2) Power interruption; (3) Minimum delay for the automatic reset of an operating mechanism in 14.3; (4) Isolation monitors for EV charging equipment; (5) Leakage current requirements; (6) Ground monitor/interrupter (GMI); (7) Manufacturing and Production Line Tests; (8) Clarification of scope; (9) Cable Flexing Test; (10) Periodic testing of CCID Supervisory Test; (11) Weld Monitor Self Test; (12) Exemption of the dielectric withstand after the Extra-Low-Resistance Ground Fault Test and Short Circuit Test; (13) EMC exposure; (14) Programmable components and reliability of solid state circuitry; and (15) Automatic reset function in 14.2.

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: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

Comment Deadline: August 18, 2015**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New Standard**

BSR INCITS 526-201x, Information technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS) (new standard)

This standard provides a detailed refinement of the definitions and concepts in the access control architecture and framework defined by the NGAC-FA standard. To provide a precise specification of the abstractions involved, the refinements are based on the mathematics of set theory and predicate calculus in consonance with the Z notation. By capturing the essential properties of NGAC mathematically, free from constraints on how these properties are achieved, NGAC-GOADS serves as a formal, conceptual model for the composition and working of NGAC.

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

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.

ALI (Automotive Lift Institute)

Office: PO Box 85
80 Wheeler Avenue
Cortland, NY 13045

Contact: Bob O'Gorman

Phone: (607) 756-7775

Fax: (607) 756-0888

E-mail: info@autolift.org; bob@autolift.org

BSR/ALI ALCTV-201X, Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation (revision of ANSI/ALI ALCTV-2011)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: Leslie Schraff

Phone: (216) 241-7333

Fax: (216) 241-0105

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 70-3-201x, Regulator Seat Leakage (revision of ANSI/FCI 70-3-2015)

BSR/FCI 91-1-201x, Qualification of Control Valve Stem Seals (revision of ANSI/FCI 91-1-2010)

IKECA (International Kitchen Exhaust Cleaning Association)

Office: 100 North 20th Street
Suite 400
Philadelphia, PA 19103-1443

Contact: Gina Marinilli

Phone: (215) 320-3707

Fax: (215) 963-9785

E-mail: gmarinilli@fernley.com

BSR/IKECA C10-201x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision and redesignation of)

Obtain an electronic copy from: gmarinilli@fernley.com

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: Charles Robinson

Phone: (919) 990-9213

Fax: (919) 549-8288

E-mail: crobinson@isa.org

BSR/ISA 18.2-201x, Management of alarm systems for the process industries (revision of ANSI/ISA 18.2-2009)

ISEA (International Safety Equipment Association)

Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

Contact: Cristine Fargo

Phone: (703) 525-1695

Fax: (703) 525-1698

E-mail: cfargo@safetysafetyequipment.org

BSR/ISEA 105-201x, Hand Protection Classification (revision of ANSI/ISEA 105-2011)

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

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

Contact: Rachel Porter

Phone: (202) 626-5741

Fax: 202-638-4922

E-mail: comments@itic.org

BSR INCITS 526-201x, Information technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS) (new standard)

Obtain an electronic copy from: www.incits.org

ROHVA (Recreational Off-Highway Vehicle Association)

Office: 2 Jenner Street
Suite 150
Irvine, CA 92618

Contact: *Thomas Yager*

Phone: (949) 255-2560

Fax: (949) 727-4216

E-mail: tyager@rohva.org

BSR/ROHVA 1-201X, Recreational Off-Highway Vehicles (revision of ANSI/ROHVA 1-2014)

RVIA (Recreational Vehicle Industry Association)

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

Contact: *Kent Perkins*

Phone: (703) 620-6003

Fax: (703) 620-5071

E-mail: kperkins@rvia.org

BSR/RVIA LV-201x, Standard for Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA LV-2013)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Charles Bohanan*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 218 sp-201x, Forming handsheets for reflectance testing of pulp (Buchner funnel procedure) (new standard)

Obtain an electronic copy from: standards@tappi.org

BSR/TAPPI T 460 om-2011 (R201x), Air resistance of paper (Gurley method) (reaffirmation of ANSI/TAPPI T 460 om-2011)

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Contact: *Joshua Johnson*

Phone: (919) 549-1053

E-mail: Joshua.Johnson@ul.com

BSR/UL 1004-5-201X, Standard for Safety for Fire Pump Motors (revision of ANSI/UL 1004-5-2011)

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

BSR/UL 1638-201X, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2008 (R2013))

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

Final Actions on American National Standards

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

ABMA (ASC B3) (American Bearing Manufacturers Association)

Revision

ANSI ABMA 9-2015, Load Ratings and Fatigue Life for Ball Bearings (revision of ANSI ABMA 9-1990 (S2013)): 6/9/2015

AGA (ASC Z380) (American Gas Association)

Addenda

ANSI/GPTC Z380.1-2015, Addendum No 1., Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2012): 6/10/2015

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

New Standard

ANSI/AHRI Standard 1280-2015, Sound Power Rating of Water-Cooled Chillers (new standard): 6/3/2015

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASAE S343.4-2015, Terminology for Combines and Grain Harvesting (revision and redesignation of ANSI/ASAE S343.3-1990 (R2013)): 6/4/2015

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B5.54-2010 (R2015), Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers (reaffirmation of ANSI/ASME B5.54M-2005 (R2010)): 6/9/2015

ANSI/ASME B94.51M-2010 (R2015), Specifications for Band Saw Blades (Metal Cutting) (reaffirmation of ANSI/ASME B94.51M-1999 (R2010)): 6/9/2015

ANSI/ASME B94.52M-1999 (R2015), Specifications for Hacksaw Blades (reaffirmation of ANSI/ASME B94.52M-1999 (R2010)): 6/9/2015

ANSI/ASME B94.54-1999 (R2015), Specifications for Hole Saws, Hole Saw Arbors, and Hole Saw Accessories (reaffirmation of ANSI/ASME B94.54-1999 (R2010)): 6/9/2015

* ANSI/ASME PTC 19.2-2010 (R2015), Pressure Measurement (reaffirmation of ANSI/ASME PTC 19.2-2010): 6/10/2015

ASTM (ASTM International)

New Standard

ANSI/ASTM F2001-2015, Guide for Vessel-Related Technical Information for Use in Developing an Electronic Database and Ship Safety Record (new standard): 5/26/2015

ANSI/ASTM F2017-2015, Guide for Database Structure of Electronic Data Interchange Between Ship Owner and Shipyard for Contract Administration (new standard): 5/26/2015

Reaffirmation

ANSI/ASTM F1076-2010 (R2015), Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube (reaffirmation of ANSI/ASTM F1076-1997 (R2010)): 5/26/2015

ANSI/ASTM F1098-2010 (R2015), Specification for Envelope Dimensions for Butterfly Valves - NPS 2 to 24 (reaffirmation of ANSI/ASTM F1098-87 (R2010)): 5/26/2015

ANSI/ASTM F1120-2010 (R2015), Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications (reaffirmation of ANSI/ASTM F1120-1987 (R2010)): 5/26/2015

ANSI/ASTM F1121-2010 (R2015), Specification for International Shore Connections for Marine Fire Applications (reaffirmation of ANSI/ASTM F1121-87 (R2010)): 5/26/2015

ANSI/ASTM F1122-2010 (R2015), Specification for Quick Disconnect Couplings (6 in. NPS and Smaller) (reaffirmation of ANSI/ASTM F1122-2004 (R2010)): 5/26/2015

ANSI/ASTM F1123-2010 (R2015), Specification for Non-Metallic Expansion Joints (reaffirmation of ANSI/ASTM F1123-87 (R2010)): 5/26/2015

ANSI/ASTM F1139-2010 (R2015), Specification for Steam Traps and Drains (reaffirmation of ANSI/ASTM F1139-88 (R2010)): 5/26/2015

ANSI/ASTM F1155-2010 (R2015), Practice for Selection and Application of Piping System Materials (reaffirmation of ANSI/ASTM F1155-2010): 5/26/2015

ANSI/ASTM F1172-2010 (R2015), Specification for Fuel Oil Meters of the Volumetric Positive Displacement Type (reaffirmation of ANSI/ASTM F1172-88 (R2010)): 5/26/2015

ANSI/ASTM F1199-2010 (R2015), Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and 150F Maximum) (reaffirmation of ANSI/ASTM F1199-88 (R2010)): 5/26/2015

ANSI/ASTM F1337-2010 (R2015), Practice for Human Systems Integration Program Requirements for Ships and Marine Systems, Equipment, and Facilities (reaffirmation of ANSI/ASTM F1337-2010): 5/26/2015

ANSI/ASTM F1695-2008 (R2015), Test Method for Performance of Underfired Broilers (reaffirmation of ANSI/ASTM F1695-2003 (R2008)): 3/24/2015

ANSI/ASTM F1716-2008 (R2015), Guide for Transition and Performance of Marine Software Systems Maintenance (reaffirmation of ANSI/ASTM F1716-1997 (R2008)): 5/26/2015

ANSI/ASTM F1757-2008 (R2015), Guide for Digital Communication Protocols for Computerized Systems (reaffirmation of ANSI/ASTM F1757-1996 (R2008)): 5/26/2015

ANSI/ASTM F1784-2008 (R2015), Test Method for Performance of a Pasta Cooker (reaffirmation of ANSI/ASTM F1784-1997 (R2008)): 3/24/2015

ANSI/ASTM F1785-2008 (R2015), Test Method for Performance of Steam Kettles (reaffirmation of ANSI/ASTM F1785-1997 (R2008)): 3/24/2015

ANSI/ASTM F1787-2008 (R2015), Test Method for Performance of Rotisserie Ovens (reaffirmation of ANSI/ASTM F1787-2003 (R2008)): 3/24/2015

ANSI/ASTM F1878-2009 (R2015), Guide for Escort Vessel Evaluation and Selection (reaffirmation of ANSI/ASTM F1878-1998 (R2009)): 5/26/2015

ANSI/ASTM F2202-2007 (R2015), Specification for Slow Cook/Hold Ovens and Hot Food Holding Cabinets (reaffirmation of ANSI/ASTM F2202-2002 (R2007)): 3/24/2015

ANSI/ASTM F2218-2008 (R2015), Guide for Hardware Implementation for Computerized Systems (reaffirmation of ANSI/ASTM F2218-2008): 5/26/2015

ANSI/ASTM F2237-2008 (R2015), Test Method for Performance of Upright Overfired Broilers (reaffirmation of ANSI/ASTM F2237-2003 (R2008)): 3/24/2015

ANSI/ASTM F2875-2010 (R2015), Guide for Laboratory Requirements Necessary to Test Commercial Cooking and Warming Appliances to ASTM Test Methods (reaffirmation of ANSI/ASTM F2875-2010): 3/24/2015

ANSI/ASTM F2876-2010 (R2015), Practice for Thermal Rating and Installation of Internal Combustion Engine Packages for Use in Hazardous Locations in Marine Applications (reaffirmation of ANSI/ASTM F2876-2010): 5/26/2015

Revision

ANSI/ASTM D2143-2015, Test Method for Cyclic Pressure Strength of Reinforced, Thermosetting Plastic Pipe (revision of ANSI/ASTM D2143-2000 (R2010)): 5/26/2015

ANSI/ASTM D2996-2015, Specification for Filament-Wound Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D2996-2001 (R2007)): 5/26/2015

ANSI/ASTM D2997-2015, Specification for Centrifugally Cast Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D2997-2001 (R2007)): 5/26/2015

ANSI/ASTM D4024-2015, Specification for Machine Made Fiberglass (Glass-Fiber-Reinforced Thermosetting Resin) Flanges (revision of ANSI/ASTM D4024-2012): 5/26/2015

ANSI/ASTM D4068-2015, Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane (revision of ANSI/ASTM D4068-2009): 5/26/2015

ANSI/ASTM D4726-2015, Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (revision of ANSI/ASTM D4726-2009): 5/26/2015

ANSI/ASTM D5421-2015, Specification for Contact Molded Fiberglass (Glass-Fiber-Reinforced Thermosetting Resin) Flanges (revision of ANSI/ASTM D5421-2005 (R2010)): 5/26/2015

ANSI/ASTM E8-2015, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8-2015): 5/26/2015

ANSI/ASTM F412-2015, Terminology Relating to Plastic Piping Systems (revision of ANSI/ASTM F412-2013): 6/1/2015

ANSI/ASTM F1134-2015, Specification for Insulation Resistance Monitor for Shipboard Electrical Motors and Generators (revision of ANSI/ASTM F1134-2012): 5/26/2015

ANSI/ASTM F1322-2015, Guide for Selection of Shipboard Incinerators (revision of ANSI/ASTM F1322-1990 (R2009)): 5/26/2015

ANSI/ASTM F2435-2015, Specification for Steel Reinforced Polyethylene (PE) Corrugated Pipe (revision of ANSI/ASTM F2435-2012): 6/1/2015

ANSI/ASTM F2795-2015, Test Method for Performance of Self-Contained Soft Serve and Shake Machines (revision of ANSI/ASTM F2795-2011): 3/24/2015

Withdrawal

ANSI/ASTM D4398-2007, Test Method for Determining the Chemical Resistance of Fiberglass-Reinforced Thermosetting Resins by One-Side Panel Exposure (withdrawal of ANSI/ASTM D4398-2007): 5/26/2015

ANSI/ASTM F1547-2009, Guide Listing Relevant Standards and Publications for Commercial Shipbuilding (withdrawal of ANSI/ASTM F1547-2009): 5/26/2015

AWWA (American Water Works Association)

Revision

ANSI/AWWA C203-2015, Coal-Tar Protective Coatings and Linings for Steel Water Pipe (revision of ANSI/AWWA C203-2009): 6/10/2015

FCI (Fluid Controls Institute)

Reaffirmation

ANSI/FCI 99-2-2004 (R2015), Pressure Reducing Regulator Capacity (reaffirmation of ANSI/FCI 99-2-2004): 6/10/2015

INMM (ASC N15) (Institute of Nuclear Materials Management)

Reaffirmation

ANSI N15.8-2009 (R2015), Standard for Methods of Nuclear Material Control - Material Control Systems - Special Nuclear Material Control and Accounting Systems for Nuclear Power Plants (reaffirmation of ANSI N15.8-2009): 6/10/2015

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revision

- * ANSI/NEMA C78.377-2015, Electric Lamps: Specifications for the Chromaticity of Solid State Lighting Products (revision of ANSI/NEMA ANSLG C78.377-2011): 6/17/2015

NSF (NSF International)

Revision

- * ANSI/NSF 14-2015 (i67r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014): 2/15/2015
- ANSI/NSF 223-2015 (i5r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60-Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 223-2013): 6/9/2015

PGMA (Portable Generator Manufacturers Association)

New Standard

- * ANSI/PGMA G300-2015, Safety and Performance of Portable Generators (new standard): 6/1/2015

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 212-2015, Cable Operator Energy Audit Framework and Establishment of Energy Baseline (new standard): 6/9/2015

Revision

ANSI/SCTE 91-2015, Specification for 5/8-24 RF & AC Equipment Port, Female (revision of ANSI/SCTE 91-2009): 6/4/2015

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

ANSI/TAPPI T 259 om-2015, Species identification of nonwood plant fibers (new standard): 6/3/2015

ANSI/TAPPI T 409 sp-2015, Machine direction of paper and paperboard (new standard): 6/9/2015

ANSI/TAPPI T 573 sp-2015, Accelerated temperature aging of printing and writing paper by dry oven exposure apparatus (new standard): 6/4/2015

ANSI/TAPPI T 650 om-2015, Solids content of black liquor (new standard): 6/4/2015

Reaffirmation

ANSI/TAPPI T 213 om-2010 (R2015), Dirt in pulp - Chart method (reaffirmation of ANSI/TAPPI T 213 om-2010): 6/9/2015

ANSI/TAPPI T 558 om-2010 (R2015), Surface wettability and absorbency of sheeted materials using an automated contact angle tester (reaffirmation of ANSI/TAPPI T 558 om-2010): 6/3/2015

ANSI/TAPPI T 1015 sp-2010 (R2015), Fiber glass mat uniformity (visual defects) (reaffirmation of ANSI/TAPPI T 1015 sp-2010): 6/9/2015

Revision

ANSI/TAPPI T 454 om-2015, Turpentine test for voids in glassine and greaseproof papers (revision of ANSI/TAPPI T 454 om-2010): 6/9/2015

ANSI/TAPPI T 546 om-2015, Machine-direction grammage variation measurement (gravimetric method) (revision of ANSI/TAPPI T 546 om-2010): 6/9/2015

ANSI/TAPPI T 563 om-2015, Equivalent Black Area (EBA) and count of visible dirt in pulp, paper and paperboard by image analysis (revision of ANSI/TAPPI T 563 om-2012): 6/9/2015

ANSI/TAPPI T 1007 sp-2015, Sample location for fiber glass mat sheets (revision of ANSI/TAPPI T 1007 sp-2010): 6/9/2015

ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods (revision of ANSI/TAPPI T 1008 sp-2010): 6/9/2015

ANSI/TAPPI T 1012 om-2015, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2010): 6/9/2015

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

ANSI/UL 428A-2015, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 - E85) (new standard): 6/4/2015

ANSI/UL 428A-2015a, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 - E85) (new standard): 6/4/2015

ANSI/UL 428B-2015, Standard for Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil (new standard): 6/5/2015

Reaffirmation

* ANSI/UL 296-2011 (R2015), Standard for Safety for Oil Burners (reaffirmation of ANSI/UL 296-2011): 6/11/2015

ANSI/UL 385-2011 (R2015), Standard for Safety for Play Pipes for Water Supply Testing in Fire Protection Services (reaffirmation of ANSI/UL 385-2006 (R2011)): 6/11/2015

Revision

* ANSI/UL 217-2015, Standard for Safety for Single and Multiple Station Smoke Alarms (Proposal dated 8-30-2013) (revision of ANSI/UL 217-2012b): 6/3/2015

* ANSI/UL 217-2015a, Standard for Safety for Smoke Alarms (Proposal dated 4-18-2014) (revision of ANSI/UL 217-2012): 6/3/2015

* ANSI/UL 217-2015b, Standard for Safety for Single and Multiple Station Smoke Alarms (revision of ANSI/UL 217-2012): 6/3/2015

* ANSI/UL 217-2015c, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2012b): 6/3/2015

* ANSI/UL 982-2015, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2009c): 6/10/2015

* ANSI/UL 982-2015a, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2009): 6/10/2015

* ANSI/UL 982-2015b, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2009): 6/10/2015

ANSI/UL 1479-2015, Standard for Fire Tests of Through-Penetration Firestops (revision of ANSI/UL 1479-2012): 6/10/2015

ANSI/UL 1479-2015a, Standard for Fire Tests of Through-Penetration Firestops (revision of ANSI/UL 1479-2012): 6/10/2015

ANSI/UL 1581-2015, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (Proposal dated 03-27-15) (revision of ANSI/UL 1581-2013a): 6/4/2015

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.

ALI (Automotive Lift Institute)

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80 Wheeler Avenue
Cortland, NY 13045

Contact: *Bob O'Gorman*

Fax: (607) 756-0888

E-mail: info@autolift.org; bob@autolift.org

- * BSR/ALI ALCTV-201X, Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation (revision of ANSI/ALI ALCTV-2011)

Stakeholders: All automotive lift manufacturers.

Project Need: Revision of an existing American National Standard as required by the five-year rule.

This standard covers safety requirements for design, construction, testing, and validation of automotive lifts of the following types: manually driven, power driven, stationary, and mobile. Lifts that are not movable or are designed to tilt the superstructure, or are not "automotive vehicle service lifts" are outside the scope of this standard.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: *Jean Walsh*

Fax: (269) 429-3852

E-mail: walsh@asabe.org

- BSR/ASABE S642-201x, Recommended methods of measurements and testing for LED radiation products in plant growth and development applications (new standard)

Stakeholders: LED and LED lighting manufacturers, testing labs, plant growers, research organizations, government, and other specification agencies.

Project Need: Provide methods for measurement of LED radiation in plant growth and development applications.

Recommended methods of testing and measurements for LEDs and LED lighting products in plant growth applications. The measurements include the product characteristics and long-term change behaviors (lifetime performance).

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: 1212 West Street
Suite 200
Annapolis, MD 21401

Contact: *Janet Busch*

Fax: (410) 267-0961

E-mail: janet.busch@x9.org

- BSR X9.119-1-201x, Retail Financial Services - Requirements for Protection of Sensitive Payment Card Data - Part 1: Using Encryption Methods (revision of ANSI X9.119-1-2013)

Stakeholders: Merchants, processors, acquirers, hardware and software providers to these stakeholders, and issuers and payment brands (because it protects their card data).

Project Need: Merchants are incurring extraordinary costs in trying to protect this data. A method that protected the data at the device might allow merchants, processors, and acquirers to realize dramatic cost savings with implementation of this standard. This work would provide a way to evaluate existing implementations and as a guide to new implementations.

Theft of sensitive card data during a retail payment transaction is increasingly becoming a major source of financial fraud. Besides an optional encrypted PIN, this data includes magnetic stripe track 2 data: PAN, expiration date, card verification value, and issuer private data. While thefts of this data at all segments of the transaction processing system have been reported, the most vulnerable segments are between the point-of-transaction device capturing the magnetic stripe data and the processing systems at the acquirer. This document would standardize the security requirements and implementation for a method for protecting this sensitive card data over these segments. Several implementations exist to address this situation. This document would provide guidance for evaluating these implementations.

BSR X9.24 Part 1-201x, Retail Financial Services - Symmetric Key Management - Part 1: Using Symmetric Techniques (revision of ANSI X9.24 Part 1-2009)

Stakeholders: Financial institutions, processors, vendors, card companies, auditors.

Project Need: Revise X9.24-1 to add a new data encryption key for TDEA DUKPT and to incorporate TG-7 as an informative annex. Additional editorial changes will be made as necessary. The new data encryption method may be used to protect cardholder data during transmission from the point of entry into interchange. By incorporating TG-7 as an annex of the standard, it will simplify adherence to the requirements of the standard.

This standard covers both the manual and automated management of keying material used for financial services such as point-of-sale (POS) transactions (debit and credit); automated teller machine (ATM) transactions; messages among terminals and financial institutions; and interchange messages among acquirers, switches and card issuers. This standard deals exclusively with management of symmetric keys using symmetric techniques. This standard specifies the minimum requirements for the management of keying material. Addressed are all components of the key management life cycle including generation, distribution, utilization, storage, archiving, replacement, and destruction of the keying material.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME A112.14.3-201x, Hydromechanical Grease Interceptors (revision of ANSI/ASME A112.14.3-2000 (R2014))

Stakeholders: Manufacturers of grease interceptors and users of systems requiring such devices and government agencies regulating the use of such devices.

Project Need: Revise the Standard to bring it up to date with current business practices and address the needs for hydromechanical grease interceptors

This Standard covers general product requirements as well as the performance criteria for the testing and rating of hydromechanical grease interceptors, rated by flow in by gallons per minute (gpm) or liters per minute (L/min).

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: *Leslie Schraff*

Fax: (216) 241-0105

E-mail: fci@fluidcontrolsintitute.org

BSR/FCI 70-3-201x, Regulator Seat Leakage (revision of ANSI/FCI 70-3-2015)

Stakeholders: Manufacturers of pressure regulators.

Project Need: To provide test methods for pilot-operated and direct-acting pressure-reducing, pressure-relieving (back pressure), differential-pressure, and temperature regulators.

This standard establishes a series of seat leakage classes for regulators and defines the production test procedures.

BSR/FCI 91-1-201x, Qualification of Control Valve Stem Seals (revision of ANSI/FCI 91-1-2010)

Stakeholders: Manufacturers and users of control-valve stem seals.

Project Need: The purpose of this standard is to provide a means of evaluating the sealing properties of a stem seal design under a standard set of test conditions in a laboratory environment.

This standard classifies control valve stem seals by their ability to withstand mechanical and thermal cycles at a specified set of temperature and pressure conditions. Bellows, diaphragms, and tubular seals are not covered by this standard.

HL7 (Health Level Seven)

Office: 3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104

Contact: *Karen Van Hentenryck*

Fax: (734) 677-6622

E-mail: Karenvan@HL7.org

BSR/HL7 V3 CPM CMET, R3-201x, HL7 Version 3 Standard: Common Product Model CMETs, Release 3 (revision and redesignation of ANSI/HL7 V3 CPM CMET, R2-2015)

Stakeholders: Pharmaceutical, healthcare, government, FDA, EMA, CDISC, NCI, HL7, ISO, GS1.

Project Need: Address ISO and HL7 ballot comments related to consistent IDMP standards implementation and use internationally. The ISO IDMP standards are based upon HL7's Common Product Model as the overarching information model and therefore HL7 input is needed to help ensure consistency with CMETs and vocabulary requirements. The SPL R7 standard is also referenced as the data exchange Specifications be reviewed in HL7.

This release updates CPM to support SPL Release 7 as the data exchange format to support ISO IDMP Technical Specifications.

ISEA (International Safety Equipment Association)

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Suite 808
Arlington, VA 22209

Contact: *Cristine Fargo*

Fax: (703) 525-1698

E-mail: cfargo@safetysafetyequipment.org

BSR/ISEA 105-201x, Hand Protection Classification (revision of ANSI/ISEA 105-2011)

Stakeholders: Hand protection manufacturers and material suppliers; testing labs; user groups including those in utilities, construction and manufacturing and processing facilities.

Project Need: Provided updated standard to reflect current technologies, test methods, and other considerations related to the manufacture, selection, and use of industrial hand protection.

This standard addresses the classification and testing of hand protection for specific performance properties related to chemical and industrial applications. Hand protection includes gloves, mittens, partial gloves, or other items covering the hand or a portion of the hand that are intended to provide protection against or resistance to a specific hazard.

ROHVA (Recreational Off-Highway Vehicle Association)

Office: 2 Jenner Street
Suite 150
Irvine, CA 92618

Contact: Thomas Yager

Fax: (949) 727-4216

E-mail: tyager@rohva.org

* BSR/ROHVA 1-201X, Recreational Off-Highway Vehicles (revision of ANSI/ROHVA 1-2014)

Stakeholders: Manufacturers/distributors, consumers.

Project Need: This standard defines design, configuration, and performance aspects for an evolving product category known as a Recreational Off-Highway Vehicle (ROV).

This voluntary standard addresses design, configuration and performance aspects of ROVs, including, among other items, requirements for accelerator, clutch, and gearshift controls; engine controls; lighting; tires; service and parking brake/parking mechanism performance; lateral and pitch stability; occupant handholds; Roll Over Protective Structure (ROPS); Occupant Retention System (ORS); and requirements for safety labels and owner's manual.

RVIA (Recreational Vehicle Industry Association)

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

Contact: Kent Perkins

Fax: (703) 620-5071

E-mail: kperkins@rvia.org

BSR/RVIA LV-201x, Standard for Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA LV-2013)

Stakeholders: Conversion and recreational vehicle manufacturers, RV component manufacturers, and operators of conversion and recreational vehicles.

Project Need: With the variety of 12-volt electronic components installed in both conversion and recreational vehicles, a uniform and compatible standard is needed in order to design and interface with the original chassis manufacturer and/or address 12-volt technology.

This standard covers the installation of low voltage (24 volts nominal or less) electrical systems and devices within conversion and recreational vehicles.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: Charles Bohanan

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 218 sp-201x, Forming handsheets for reflectance testing of pulp (Buchner funnel procedure) (new standard)

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

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

This practice describes the procedure using a Büchner funnel for preparing specimen sheets for reflectance testing of bleached or unbleached pulp whose fibers are readily dispersed in water. The sheets are made at a pH of 6.5 ± 0.5 . This practice permits the preparation of sheets having a smooth and reproducible surface for reflectance measurements with a minimum of washing or contamination of the sample.

BSR/TAPPI T 460 om-2011 (R201x), Air resistance of paper (Gurley method) (reaffirmation of ANSI/TAPPI T 460 om-2011)

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

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

This method is used to measure the air resistance of approximately 6.45 sq. cm. (1 sq. in.) circular area of paper using a pressure differential of 1.22 kPa. The recommended range of the liquid column instrument is from 5 to 1800 seconds per 100 mL cylinder displacement. For more impermeable papers, the time requirements become so excessive that other techniques are preferable.

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.

ABMA (ASC B3)

American Bearing Manufacturers Association

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Washington, DC 20036-3309
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Fax: (919) 827-4587
Web: www.americanbearings.org

ADA (Organization)

American Dental Association

211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 440-2509
Fax: (312) 440-2529
Web: www.ada.org

AGA (ASC Z380)

American Gas Association

400 N. Capitol Street, N.W.
Washington, DC 20001
Phone: (202) 824-7312
Fax: (202) 824-9122
Web: www.aga.org

AHRI

Air-Conditioning, Heating, and Refrigeration Institute

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Fax: (703) 562-1942
Web: www.ahrinet.org

ALI

Automotive Lift Institute

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Phone: (607) 756-7775
Fax: (607) 756-0888
Web: www.autolift.org

ASABE

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ASC X9

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ASME

American Society of Mechanical Engineers

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Fax: (212) 591-8501
Web: www.asme.org

ASTM

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

AWWA

American Water Works Association

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

CSA

CSA Group

8501 East Pleasant Valley Rd.
Cleveland, OH 44131
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ECIA

Electronic Components Industry Association

2214 Rock Hill Road
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Herndon, VA 20170-4212
Phone: (571) 323-0294
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Web: www.ecianow.org

FCI

Fluid Controls Institute
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Fax: (216) 241-0105
Web: www.fluidcontrolsinstitute.org

HL7

Health Level Seven
3300 Washtenaw Avenue
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Ann Arbor, MI 48104
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Fax: (734) 677-6622
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IEEE (ASC N42)

Institute of Electrical and Electronics Engineers

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IKECA

International Kitchen Exhaust Cleaning Association

100 North 20th Street
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Web: www.ikeca.org

INMM (ASC N15)

Institute of Nuclear Materials Management

US Department of Energy, HS
-81/Germantown Building
1000 Independence Ave., SW
Washington, DC 20585-1290
Phone: 301-903-1566
Web: www.inmm.org

ISA (Organization)

International Society of Automation

67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9213
Fax: (919) 549-8288
Web: www.isa.org

ISEA

International Safety Equipment Association

1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695
Fax: (703) 525-1698
Web: www.safetysitequipment.org

ITI (INCITS)

InterNational Committee for Information Technology Standards

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

NEMA (ASC C78)

National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3377
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 769-5197
Web: www.nsf.org

PGMA

Portable Generator Manufacturers Association

1300 Sumner Avenue
Cleveland, OH 44115-2851
Phone: (216) 241-7333 X3008
Fax: (216) 241-0105
Web: www.pgmaonline.com

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

ROHVA

Recreational Off-Highway Vehicle Association

2 Jenner Street
Suite 150
Irvine, CA 92618
Phone: (949) 255-2560
Fax: (949) 727-4216

RVIA

Recreational Vehicle Industry Association

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

SCTE

Society of Cable Telecommunications Engineers

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

TAPPI

Technical Association of the Pulp and Paper Industry

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

UL

Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 549-1053
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 5366, Anaesthetic and respiratory equipment - Tracheostomy tubes - Part: Tubes and connectors for use in adults - 9/14/2015, \$93.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 9227, Corrosion tests in artificial atmospheres - Salt spray tests - 9/14/2015, \$71.00

FLOOR COVERINGS (TC 219)

ISO/DIS 10582, Resilient floor coverings - Specification for heterogeneous vinyl flooring to include luxury vinyl tile requirements - 9/14/2015, \$71.00

FOOTWEAR (TC 216)

ISO/DIS 17708, Footwear - Test methods for whole shoe - Upper sole adhesion - 9/14/2015

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 14708-3, Implants for surgery - Active implantable medical devices - Part 3: Implantable neurostimulators - 9/14/2015, \$107.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 18063-1, Rough-terrain trucks - Visibility - Test methods and their verification - Part 1: Variable-reach trucks - 9/6/2015, \$71.00

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

ISO/DIS 14692-2, Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping - Part 2: Qualification and manufacture - 9/14/2015, \$155.00

ISO/DIS 14692-4, Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping - Part 4: Fabrication, installation and operation - 9/14/2015, \$155.00

ISO/DIS 19901-2, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria - 9/14/2015

MECHANICAL TESTING OF METALS (TC 164)

ISO/DIS 148-1, Metallic materials - Charpy pendulum impact test - Part 1: Test method - 9/7/2015, \$98.00

ISO/DIS 148-2, Metallic materials - Charpy pendulum impact test - Part 2: Verification of testing machines - 9/7/2015, \$125.00

ISO/DIS 148-3, Metallic materials - Charpy pendulum impact test - Part 3: Preparation and characterization of Charpy V-notch test pieces for indirect verification of pendulum impact machines - 9/7/2015, \$98.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 10326-1, Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 1: Basic requirements - 9/14/2015, \$82.00

PLASTICS (TC 61)

ISO/DIS 11469, Plastics - Generic identification and marking of plastics products - 9/14/2015, \$33.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 8789, Rubber hoses and hose assemblies for liquefied petroleum gas in motor vehicles - Specification - 9/12/2015, \$53.00

SECURITY (TC 292)

ISO/DIS 22325, Societal security - Emergency management - Guidelines for emergency management capability assessment - 9/13/2015, \$62.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 8936, Awnings for leisure accommodation vehicles - Requirements and test methods - 9/4/2015, \$82.00

ISO/DIS 20957-4, Stationary training equipment - Part 4: Strength training benches, additional specific safety requirements and test methods - 9/14/2015

STEEL (TC 17)

ISO/DIS 14590, Cold-reduced steel sheet of high tensile strength and low yield point with improved formability - 9/11/2015, \$67.00

THERMAL INSULATION (TC 163)

ISO/DIS 16957, Measurement of apparent thermal conductivity of wet porous building materials by a periodic method - 9/12/2015, \$71.00

IEC Standards

- 8/1401/CD, IEC 62786 Ed.1: Distributed Energy Resources Interconnection with the Grid, 08/14/2015
- 21A/577A/CDV, IEC 62619 Ed.1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for large format secondary lithium cells and batteries for use in industrial applications, 09/11/2015
- 22E/159/CDV, IEC 61204-3 Ed.3: Low voltage power supplies, d.c. output - Part 3: Electromagnetic compatibility (EMC), 09/18/2015
- 22E/160/CDV, IEC 61204-7 Ed.2: Low-voltage switch mode power supplies - Part 7: Safety requirements, 09/18/2015
- 23H/327A/CD, IEC/TS 62196-4 Ed.1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - conductive charging of electric vehicles - Part 4: Dimensional compatibility and interchangeability requirements for a.c., d.c. and a.c./d.c. vehicle couplers for Class II or Class III light electric vehicles, 08/07/2015
- 23H/329/CD, IEC 62613-2 Ed.2: Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-SYSTEMS) - Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships, 09/18/2015
- 29/879/CD, IEC 60942: Electroacoustics - Sound calibrators (Revision of IEC 60942:2003), 09/18/2015
- 34/237/DC, IEC 62031, IEC 61347-2-13 and IEC 60598-1 of TC 34: LED abnormal and fault conditions, 09/18/2015
- 34/238/DC, IEC 61347-2-7 and IEC 60698-2-22 of TC 34: Lithium battery requirements, 09/18/2015
- 34/239/DC, IEC 61347-2-7 and IEC 60598-2-22 of TC 34: Rest & inhibit modes, 09/18/2015
- 34C/1154/CDV, Amendment 1 to IEC 61347-2-3 Ed.2: Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps, 09/18/2015
- 35/1344/CDV, IEC 60086-5/Ed4: Primary batteries - Part 5: Safety of batteries with aqueous electrolyte, 09/18/2015
- 45A/1024/DC, First draft of an IEC TR project: Nuclear power plants - Instrumentation and control systems - Qualification of platforms for systems important to safety, 09/18/2015
- 46A/1261A/FDIS, IEC 61196-1-305 Ed1: Coaxial Communication Cables - Part 1-305: Soldering, 08/07/2015
- 46A/1263A/FDIS, IEC 61196-1-104: Coaxial Communication Cables - Part 1-104: Electrical test methods - Test for capacitance of cable versus temperature, 08/07/2015
- 47/2243/NP, Future IEC 62969-5 Ed.1: Semiconductor devices - Semiconductor interfaces for automotive vehicles - Part 5: Test/diagnosis method via vehicular network for automotive semiconductors, 09/18/2015
- 47A/970/NP, IEC 62228-1: Integrated Circuits - EMC evaluation of transceivers - Part 1: General conditions and definitions, 09/18/2015
- 62A/1015/DTR, IEC TR 62366-2: Medical devices - Part 2: Guidance on the application of usability engineering to medical devices, 08/14/2015
- 62B/983/CDV, Amendment 1 to IEC 62563-1: Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods, 09/18/2015
- 64/2025/CD, IEC 60479-2 - Effects of current on human beings and livestock - Part 2: Special aspects, 09/18/2015
- 64/2026/CD, Amendment 1 to 60479-1 - Effects of current on human beings and livestock - Part 1: General aspects, 09/18/2015
- 65A/734A/CDV, IEC 61069-1 Ed. 2.0: Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 1: Terminology and basic concepts, 09/04/2015
- 65B/1005/FDIS, IEC 60534-8-4/Ed3: Industrial-Process Control Valves - Part 8-4: Noise considerations Prediction of noise generated by hydrodynamic flow, 08/14/2015
- 66/575/CD, IEC 61010-2-034 Ed.1: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength test, 08/14/2015
- 69/364A/CDV, IEC 61851-1 Ed. 3: Electric vehicle conductive charging system - Part 1: General requirements, 09/04/2015
- 69/379A/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-1, General Requirements for Light Electric Vehicles AC and DC conductive power supply systems, 08/14/2015
- 82/983/NP, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-5: Special requirements for testing of flexible (non-glass superstrate) photovoltaic (PV) modules (Proposed future IEC 61215-1-5), 09/18/2015
- 86B/3922/CD, IEC 61300-2-4/Ed2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests: Fibre/cable retention, 09/18/2015
- 86B/3923/NP, Future IEC 61300-2-xx/Ed1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-XX: Tests - Strength of mounted adaptor, 09/18/2015
- 86C/1312/CDV, IEC 62343-1/Ed1: Dynamic modules - Part 1: Performance standards - General conditions, 09/18/2015
- 86C/1314/CDV, IEC 62343-3-1/Ed2: Dynamic modules - Part 3-1: Performance specification templates - Dynamic channel equalizers, 09/18/2015
- 86C/1333/CD, IEC 62150-5/Ed1: Fibre optic active components and devices - Test and measurement procedures - Part 5: Wavelength channel tuning time of tuneable transmitters, 09/18/2015
- 86C/1335/CD, IEC 61280-4-1/Ed3: Fibre-optic communication subsystem test procedures - Part 4-1: Installed cable plant - Multimode attenuation measurement, 09/18/2015
- 91/1266/NP, Future IEC 62739-3 Ed.1: Test method for erosion of wave soldering equipment using molten lead-free solder alloy - Part 3: Selection guidance of erosion test methods, 09/18/2015
- 91/1269/NP, Future IEC 61189-5-503: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-503: General test methods for materials and assemblies - Conductive Anodic Filaments (CAF) testing of circuit boards, 09/18/2015
- 101/470/CDV, IEC 61340-2-3 Ed.2: Electrostatics - Part 2-3: Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation, 09/18/2015
- 113/266/DTS, ISO 80004-1: Nanotechnologies - Vocabulary - Part 1: Core terms, 09/18/2015
- 114/161/CD, IEC 62600-102 TS Ed.1: Marine energy - Wave, tidal and other water current converters - Part 102: Wave energy converter power performance assessment at a second location using measured assessment data, 08/14/2015



Newly Published ISO & IEC Standards

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

ISO Standards

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

[IEC 80601-2-71:2015](#), Medical electrical equipment - Part 2-71:

Particular requirements for the basic safety and essential performance of functional Near-Infrared Spectroscopy (NIRS) equipment, \$173.00

CINEMATOGRAPHY (TC 36)

[ISO 2939:2015](#), Cinematography - Picture image area on 35 mm motion-picture release prints - Position and dimensions and analogue and digital photographic sound to picture record displacement, \$51.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 17093:2015](#), Corrosion of metals and alloys - Guidelines for corrosion test by electrochemical noise measurements, \$123.00

CRANES (TC 96)

[ISO 9928-1:2015](#), Cranes - Crane operating manual - Part 1: General, \$51.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 16610-41:2015](#), Geometrical product specifications (GPS) - Filtration - Part 41: Morphological profile filters: Disk and horizontal line-segment filters, \$123.00

[ISO 25178-606:2015](#), Geometrical product specification (GPS) - Surface texture: Areal - Part 606: Nominal characteristics of non-contact (focus variation) instruments, \$173.00

FOOTWEAR (TC 216)

[ISO 10750:2015](#), Footwear - Test method for slide fasteners - Attachment strength of end stops, \$88.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19147:2015](#), Geographic information - Transfer Nodes, \$240.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 11354-2:2015](#), Advanced automation technologies and their applications - Requirements for establishing manufacturing enterprise process interoperability - Part 2: Maturity model for assessing enterprise interoperability, \$123.00

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

[ISO 16903:2015](#), Petroleum and natural gas industries -

Characteristics of LNG, influencing the design, and material selection, \$123.00

NON-DESTRUCTIVE TESTING (TC 135)

[ISO 18563-1:2015](#), Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 1: Instruments, \$200.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 17123-8:2015](#), Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 8: GNSS field measurement systems in real-time kinematic (RTK), \$149.00

OTHER

[ISO 18218-1:2015](#), Leather - Determination of ethoxylated alkylphenols - Part 1: Direct method, \$88.00

[ISO 18218-2:2015](#), Leather - Determination of ethoxylated alkylphenols - Part 2: Indirect method, \$123.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 1762:2015](#), Paper, board and pulps - Determination of residue (ash) on ignition at 525 degrees C, \$51.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 12312-2:2015](#), Eye and face protection - Sunglasses and related eyewear - Part 2: Filters for direct observation of the sun, \$88.00

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

[ISO 6259-3:2015](#), Thermoplastics pipes - Determination of tensile properties - Part 3: Polyolefin pipes, \$88.00

SECURITY (TC 292)

[ISO 22324:2015](#), Societal security - Emergency management - Guidelines for colour-coded alerts, \$88.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 10958-2:2015](#), Snowboards - Binding mounting area - Part 2: Requirements and test methods for snowboards with inserts, \$51.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

[ISO 8536-8:2015](#), Infusion equipment for medical use - Part 8: Infusion sets for single use with pressure infusion apparatus, \$123.00

[ISO 8536-9:2015](#), Infusion equipment for medical use - Part 9: Fluid lines for single use with pressure infusion equipment, \$88.00

[ISO 8536-10:2015](#), Infusion equipment for medical use - Part 10: Accessories for fluid lines for single use with pressure infusion equipment, \$88.00

[ISO 8536-11:2015](#), Infusion equipment for medical use - Part 11: Infusion filters for single use with pressure infusion equipment, \$88.00

WATER QUALITY (TC 147)

[ISO 16778:2015](#), Water quality - Calanoid copepod early-life stage test with *Acartia tonsa*, \$200.00

[ISO 13164-4:2015](#), Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting, \$88.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 3834-5:2015](#), Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4, \$88.00

ISO Technical Specifications

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO/TS 17728:2015](#), Microbiology of the food chain - Sampling techniques for microbiological analysis of food and feed samples, \$123.00

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

[ISO/TS 17969:2015](#), Petroleum, petrochemical and natural gas industries - Guidelines on competency for personnel, \$173.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 29180/Cor1:2015](#), Information technology - Telecommunications and information exchange between systems - Security framework for ubiquitous sensor networks - Corrigendum, FREE

[ISO/IEC 15693-3/Amd3:2015](#), Identification cards - Contactless integrated circuit cards - Vicinity cards - Part 3: Anticollision and transmission protocol - Amendment 3: Extended VICC memory organisation, \$22.00

[ISO/IEC 14496-12/Cor4:2015](#), Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Corrigendum, FREE

[ISO/IEC 15444-12/Cor4:2015](#), Information technology - JPEG 2000 image coding system - Part 12: ISO base media file format - Corrigendum, FREE

[ISO/IEC 18477-1:2015](#), Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Scalable compression and coding of continuous-tone still images, \$123.00

[ISO/IEC 17760-101:2015](#), Information technology - AT Attachment 8 - Part 101: ATA/ATAPI Command Set (ATA8-ACS), \$265.00

[ISO/IEC 29341-12-1:2015](#), Information technology - UPnP Device Architecture - Part 12-1: Remote User Interface Device Control Protocol - Remote User Interface Client Device, \$88.00

[ISO/IEC 29341-12-2:2015](#), Information technology - UPnP Device Architecture - Part 12-2: Remote User Interface Device Control Protocol - Remote User Interface Server Device, \$88.00

[ISO/IEC 29341-3-10:2015](#), Information technology - UPnP Device Architecture - Part 3-10: Audio Video Device Control Protocol - Audio Video Transport Service, \$240.00

[ISO/IEC 29341-7-11:2015](#), Information technology - UPnP Device Architecture - Part 7-11: Lighting Device Control Protocol - Switch Power Service, \$88.00

[ISO/IEC 29341-12-10:2015](#), Information technology - UPnP Device Architecture - Part 12-10: Remote User Interface Device Control Protocol - Remote User Interface Client Service, \$149.00

[ISO/IEC 29341-12-11:2015](#), Information technology - UPnP Device Architecture - Part 12-11: Remote User Interface Device Control Protocol - Remote User Interface Server Service, \$123.00

OTHER

[ISO/IEC 17021-1:2015](#), Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 1: Requirements, \$200.00

IEC Standards

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC 80601-2-71 Ed. 1.0 en:2015](#), Medical electrical equipment - Part 2 -71: Particular requirements for the basic safety and essential performance of functional near-infrared spectroscopy (NIRS) equipment, \$254.00

ELECTROACOUSTICS (TC 29)

[IEC 60118-0 Ed. 3.0 b:2015](#), Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids, \$254.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-4-6 Ed. 4.0 b cor.1:2015](#), Corrigendum 1 - Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields, \$0.00

FIBRE OPTICS (TC 86)

[IEC 62343 Ed. 1.0 b:2013](#), Dynamic modules - General and guidance, \$97.00

[IEC 61755-3-31 Ed. 1.0 b:2015](#), Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-31: Connector parameters of non-dispersion shifted single mode physically contacting fibres - Angled polyphenylene sulphide rectangular ferrules, \$182.00

[IEC 61755-3-32 Ed. 1.0 b:2015](#), Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-32: Connector parameters of non-dispersion shifted single mode physically contacting fibres - Angled thermoset epoxy rectangular ferrules, \$121.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC 61804-3 Ed. 3.0 b:2015](#), Function Blocks (FB) for process control and Electronic Device Description Language (EDDL) - Part 3: EDDL syntax and semantics, \$411.00

[IEC 61804-5 Ed. 1.0 b:2015](#), Function blocks (FB) for process control and electronic device description language (EDDL) - Part 5: EDDL Builtin library, \$411.00

LASER EQUIPMENT (TC 76)

[IEC 62471-5 Ed. 1.0 en:2015](#), Photobiological safety of lamps and lamp systems - Part 5: Image projectors, \$303.00

OTHER

[CISPR 11 Ed. 6.0 b:2015](#), Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, \$363.00

POWER CAPACITORS (TC 33)

[IEC 60143-3 Ed. 2.0 b:2015](#), Series capacitors for power systems - Part 3: Internal fuses, \$55.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 61850-SER Ed. 1.0 en:2015](#), Communication networks and systems in substations - ALL PARTS, \$6356.00

[IEC/PAS 61850-9-3 Ed. 1.0 en:2015](#), Communication networks and systems for power utility automation - Part 9-3: Precision time protocol profile for power utility automation, \$61.00

WINDING WIRES (TC 55)

[IEC 60317-4 Ed. 4.0 b:2015](#), Specifications for particular types of winding wires - Part 4: Solderable polyurethane enamelled round copper wire, class 130, \$48.00

IEC Technical Specifications

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC/TS 60079-39 Ed. 1.0 en:2015](#), Explosive atmospheres - Part 39: Intrinsically safe systems with electronically controlled spark duration limitation, \$303.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TS 61968-14 Ed. 1.0 en:2015](#), Application integration at electric utilities - System interfaces for distribution management - Part 14: MultiSpeak - CIM harmonization, \$411.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

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

- **User**

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

- **Consultants**

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

- **Standards Development Organizations and Consortia**

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

- **Academic Institution**

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

- **Other**

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

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

3-A Sanitary Standards, Inc. (3-A SSI)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of 3-A Sanitary Standards, Inc. (3-A SSI), an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on 3-A SSI-sponsored American National Standards, effective June 16, 2015. For additional information, please contact: Mr. Eric Schweitzer, Director, Standards & Certification, 3-A Sanitary Standards, Inc., 6888 Elm Street, Suite 2D, McLean, VA 22010-3829; phone: 703.790.0295; e-mail: erics@3-a.org.

American Gear Manufacturers Association (AGMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the American Gear Manufacturers Association (AGMA), an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on AGMA-sponsored American National Standards, effective June 18, 2015. For additional information, please contact: Mr. Amir Aboutaleb, Vice-President, Technical Division, American Gear Manufacturers Association, 1001 North Fairfax Street, 5th Floor, Alexandria, VA 22314-1587; phone: 703.838.0053; e-mail: aboutaleb@agma.org.

Conveyor Equipment Manufacturers Association (CEMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation the Conveyor Equipment Manufacturers Association (CEMA), an ANSI Accredited Standards Developer and Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on CEMA-sponsored American National Standards, effective June 12, 2015. For additional information, please contact: Mr. Philip Hannigan, Executive Secretary, Conveyor Equipment Manufacturers Association, 5672 Strand Court, Suite 2, Naples, FL 34110; phone: 239.514.3441; e-mail: phil@cemanet.org.

Georgia Tech Energy and Sustainability Services (GTESS)

ANSI's Executive Standards Council has approved the reaccreditation of Georgia Tech Energy and Sustainability Services (GTESS), an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on GTESS-sponsored American National Standards, effective June 18, 2015. For additional information, please contact: Ms. Holly Grell-Lawe, GTESS Standards Coordinator, Principal Research Associate, Energy & Sustainability Services, Enterprise Innovation Institute, Georgia Institute of Technology, 75 Fifth Street, NW, Suite 300, Atlanta, GA 30332; phone: 404.558.5948; e-mail: holly.lawe@innovate.gatech.edu.

International Organization for Standardization (ISO)

Establishment of a New ISO Subcommittee

ISO/TC 79/SC 12 – Aluminum Ores

TC 79, Light metals and their alloys, has created a new ISO Subcommittee on Aluminum ores (TC 79/SC 12). Discussions will be held between Pakistan and China for the secretariat.

ASTM International has committed to administer the US/TAG. Organizations interested in participating on the US/TAG should contact ANSI's ISO Team at isot@ansi.org.

New Field of ISO Technical Activity

Rare Earth

Comment Deadline: July 10, 2015

SAC (China) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Rare Earth, with the following scope statement:

Standardization in the field of rare earth ores, concentrates, metals, alloys, compounds, materials, including the reuse and recycling of waste rare earth products.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, July 10, 2015.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. Technical Advisory Group (TAG) to ISO TC 44/SC 13 – Brazing Materials and Processes

Comment Deadline: July 20, 2015

The American Welding Society (AWS), an ANSI organizational member and Accredited Standards Developer, has submitted an Application for Accreditation for a proposed U.S. Technical Advisory Group (TAG) to ISO TC 44/SC 13, Brazing materials and processes and a request for approval as TAG Administrator. The proposed TAG will operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Mr. Andrew Davis, Director, International Activities, American Welding Society, 8669 NW 36th Street, #130, Miami, FL 33166; phone: 305.443.9353, ext. 466; e-mail: adavis@aws.org. Please forward any comments on this application to AWS, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (fax: 212.840-2298; e-mail: jthomps@ansi.org) by July 20, 2015.

Approval of Reaccreditation

U.S. Technical Advisory Groups to ISO TC 43 – Acoustics (including SC 1 – Noise and SC 3 – Underwater Acoustics) and ISO TC 108 – Mechanical Vibration, Shock and Condition Monitoring (including SC 2 – Measurement and Evaluation of Mechanical Vibration and Shock as Applied to Machines, Vehicles and Structures; SC 3 – Use and Calibration of Vibration and Shock Measuring Instruments; SC 4 – Human Exposure to Mechanical Vibration and Shock; and SC 5 – Condition Monitoring and Diagnostics of Machines)

At the direction of ANSI's Executive Standards Council, the reaccreditations of the U.S. Technical Advisory Groups to ISO TC 43, Acoustics (including SC 1, Noise and SC 3, Underwater acoustics) and ISO TC 108, Mechanical vibration, shock and condition monitoring (including SC 2, Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures; SC 3, Use and calibration of vibration and shock measuring instruments; SC 4, Human exposure to mechanical vibration and shock; and SC 5, Condition monitoring and diagnostics of machines) under revised operating procedures and with the Acoustical Society of America continuing as TAG Administrator, have been approved effective June 16, 2015. For additional information, please contact: Ms. Susan Blaeser, Standards Manager, Standards Secretariat, Acoustical Society of America, 1305 Walt Whitman Road, Suite 300, Melville, NY 11747; phone: 631.390.0215; e-mail: sblaeser@acousticalsociety.org.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO TC 108/SC 5 – Condition monitoring and diagnostics of machine systems

Currently, the U.S. holds a leadership position as secretariat of ISO/TC 108/SC 5 (Condition monitoring and diagnostics of machine systems). ANSI has delegated the responsibility for the administration of the secretariat for ISO/TC 108/SC 5 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated secretariat for this committee.

ISO/TC 108/SC 5 operates under the following scope:

Standardization of the procedures, processes and equipment requirements uniquely related to the technical activity of condition monitoring and diagnostics of machines systems in which selected physical parameters associated with an operating machine system are periodically or continuously sensed, measured and recorded for the interim purpose of reducing, analyzing, comparing and displaying the data and information so obtained and for the ultimate purpose of using this interim result to support decisions related to the operation and maintenance of the machine system.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/TC 108/SC 5. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accepts to direct administration of an ISO secretariat shall demonstrate that:

- 1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the secretariat;
- 2) The affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function;
- 3) The relevant US TAG has been consulted with regard to ANSI's potential role as secretariat; and
- 4) ANSI is able to fulfill the requirements of a secretariat.

If no U.S. organization steps forward to assume the ISO/TC 108/SC 5 secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the secretariat role.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org.

BSR/UL 96, Standard for Safety for Lightning Protection Components

1. Air Terminal Thickness

6.10 Each air terminal shall be a minimum of 3/16" thick at its upper tip.

18.5 Each air terminal shall be a minimum of 3/16" thick at its upper tip.

22.4 Each air terminal shall be a minimum of 3/16" thick at its upper tip.

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BSR/UL 746B, Standard for Safety for Polymeric Materials - Long Term Property Evaluations

1. Increase Generic Relative Thermal Index for PEI

PROPOSAL

Table 7.1

Relative thermal indices based upon past field-test performance and chemical structure^a

Material	ISO designation	Generic thermal index, °C
Polyamide ^b	PA	65
Polycarbonate ^b	PC	80
Polycarbonate/Siloxane Copolymer ^k	PC/Siloxane	80
Polyethylene terephthalate - molding resin ^b	PET	75
film (0.25 mm maximum)	PET	105
Polybutylene (polytetramethylene) terephthalate ^b	PBT	75
Polyphenylene Ether (including PS, PA, PP, or TPE modified) ^j	PPE	65
Polypropylene ^{b,h}	PP	65
Polyetherimide ^g	PEI	405 <u>130</u>
Polyethersulfone	PES	105
Polyether Ether Ketone	PEEK	130
Polyphenylene Sulfide ^b	PPS	130
Polyimide film (0.25 mm maximum)	PI	130
Molded phenolic ^c	PF	150
Molded melamine ^{c,d} and Molded melamine/phenolic ^{c,d} - specific gravity < 1.55		130
specific gravity ≥ 1.55		150
Polytetrafluoroethylene	PTFE	180
Polychlorotrifluoroethylene	PCTFE	150

Fluorinated ethylene propylene	FEP	150
Poly(tetrafluoroethylene, hexafluoropropylene, vinylidene fluoride) ^l	TFE/HFP/VDF	130
Ethylene/Tetrafluoroethylene	E/TFE	105
Urea Formaldehyde ^c	UF	100
Acrylonitrile - butadiene - styrene ^b	ABS	60
Silicone - molding resin ^{c,d}		150
Silicone rubber - molding resin	SIR	150
two-component, addition-cure, vinyl, platinum catalyzed		150
room-temperature vulcanizing, condensation or heat-cured paste	RTV	105
Epoxy - molding resin ^{c,d}		130
powder coating materials		105
casting or potting resin ^{b,i}	EP	90
Molded diallyl phthalate ^{c,d}		130
Molded unsaturated polyester ^{c,d}	UP	
alkyd (AMC), bulk (BMC), dough (DMC), sheet (SMC), thick (TMC), and pultrusion molding compounds		105 ^e (electrical) 130 (mechanical)
Liquid crystalline thermotropic aromatic polyester ^f	LCP	130
Ligno-cellulose laminate		60
Vulcanized fiber		90
Cold-molded phenolic, melamine or melamine-phenolic compounds ^d - specific gravity < 1.55		130
specific gravity ≥ 1.55		150
Cold-molded inorganic (hydraulic-cement, etc.) compounds		200

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Integrated mica, resin-bonded -		
epoxy, alkyd or polyester binder		130
phenolic binder		150
silicone binder		200
<p>^a Generic thermal index is for homopolymer and for the compounding of the same type or relative resins, either grafted or ungrafted only, unless a specific copolymer or blend is indicated. In the case of alloys, the lowest generic index of any component shall be assigned to the composite. The term "grafted" means all of the monomer reacts to form a polymer, and the polymer chain forms a chemical bond. The term "ungrafted" means that the two types of polymer chains entwine with each other by mechanical blending to form a chemical composite.</p>		
<p>^b Includes glass-fiber reinforcement and/or talc, asbestos, mineral, calcium carbonate, compounding of the same type of resins, either grafted or ungrafted and other inorganic fillers.</p>		
<p>^c Includes only compounds molded by high-temperature and high-pressure processes such as injection, compression, pultrusion, and transfer molding and match-metal die molding; excludes compounds molded by open-mold or low-pressure molding processes such as hand lay-up spray-up, contact bag, filament winding, rotational molding, and powder coating (fluidized bed, electrostatic spray, hot dip, flow coating).</p>		
<p>^d Includes materials having filler systems of fibrous (other than synthetic organic) types but excludes fiber reinforcement systems using resins that are applied in liquid form. Synthetic organic fillers are to be considered acceptable at temperatures not greater than 105°C.</p>		
<p>^e Except 130°C generic thermal index if the material retains at least 50% of its unaged dielectric strength after a 504-hour exposure at 180°C in an air circulating oven. Specimens are to be tested in a dry, as molded, condition. Specimens that are removed from the oven are to be cooled over desiccant for at least 2 hours prior to testing.</p>		
<p>^f Includes only wholly aromatic liquid crystalline thermotropic polyesters; wholly aromatic polyester/amides and wholly aromatic polyester/ethers; excluding amorphous, lyotropic and liquid crystalline aliphatic-aromatic polyesters which are aliphatic in the backbone chain or main chain, and substituted aromatic polyesters (except for methyl or aromatic).</p>		
<p>^g Includes only polyetherimide molding resin.</p>		
<p>^h Includes polypropylene copolymers containing not more than 25% ethylene comonomer, by weight.</p>		
<p>ⁱ Multi-part liquid epoxy materials incorporating acid anhydride or aromatic amine curing agents receive a 130°C generic thermal index.</p>		
<p>^j Includes only those polyphenylene ether materials (polystyrene, polyamide, polypropylene, or thermoplastic elastomer modified) in which the PPE component is not less than 30% of the total composition by weight and that have a Heat Deflection Temperature of at least 70°C at a load (fiber stress) of 1.80 M Pa (264 psi).</p>		

^k PC/Siloxane Copolymers in which siloxane comprises less than, or equal to, 5% of the total material composition by weight.

^l Must have a minimum peak melting point of 160 °C, with less than 25% VDF monomer by weight and the remainder being fully fluorinated monomers.

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