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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](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: November 11, 2012

### ASA (ASC S3) (Acoustical Society of America)

#### Revision

BSR/ASA S3.36-201x, Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (revision of ANSI S3.36-1985 (R2006))

The present standard describes a manikin for airborne acoustic measurements. It comprises a head with external ears and ear canals, and a torso that simulates a median human adult. It is intended primarily as an instrument for measuring the response of acoustical devices under simulated in situ conditions. Acoustical performance requirements are given as well as informative geometric descriptions.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Susan Blaeser, (631) 390-0215, [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

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

#### Addenda

BSR/ASHRAE/USGBC/IES Addendum 189.1p-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011)

The purpose of this addendum is for the removal of the "Acceptance Testing" provision (Section 10.3.1.1, Building Acceptance Testing).

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: <http://www.ashrae.org/standards-research--technology/standards-actions>

### NSF (NSF International)

#### Revision

BSR/NSF 49-201x (i48), Biosafety Cabinetry: Design, Construction, Performance and Field Certification (revision of ANSI/NSF 49-2011)

Issue 48: The purpose of this ballot is to add a motor stability test procedure for motor speed control systems in ANSI/NSF 49. The ballot also proposes changes to section 5.22, Filters.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Joan Hoffman, (734) 769-5159, [jhoffman@nsf.org](mailto:jhoffman@nsf.org)

### RVIA (Recreational Vehicle Industry Association)

#### Revision

BSR/RVIA 12V-201x, Standard for Low Voltage Systems in Conversion and Recreational Vehicles (revision of ANSI/RVIA 12V-2010)

This standard covers the installation of low-voltage electrical systems and devices within conversion and recreational vehicles. In the absence of specific instructions from the automotive OEM, this standard also covers any additions, deletions, or modifications to any part of the original equipment chassis manufacturer's electrical systems.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kent Perkins, (703) 620-6003, [kperkins@rvia.org](mailto:kperkins@rvia.org)

### UL (Underwriters Laboratories, Inc.)

#### Reaffirmation

BSR/UL 471-2012 (R201x), Standard for Safety for Commercial Refrigerators and Freezers (reaffirmation of ANSI/UL 471-2012)

The following is being recirculated:

(1) Addition of requirements with respect to laboratory freezers with a limited charge system.

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

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

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 676-201x, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2012a)

Proposal to waive the electric shock test for certain luminaire constructions and proposal for electric shock test for isolated, ungrounded low-voltage luminaires.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Davis, (408) 754-6722, [Barbara.J.Davis@ul.com](mailto:Barbara.J.Davis@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 746A-201x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2012)

The following topics for UL 746A are being recirculated:

(1) Clarification of HAI electrodes contact point.

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

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

## Comment Deadline: November 26, 2012

### AAMI (Association for the Advancement of Medical Instrumentation)

#### Reaffirmation

BSR/AAMI/IEC 62366-2007 (R201x), Medical devices - Application of usability engineering to medical devices (reaffirmation of ANSI/AAMI/IEC 62366-2007)

This standard describes a usability engineering process, and provides guidance on how to implement and execute the process to provide safety in medical devices. It is intended to be useful not only for manufacturers of medical devices, but also for technical committees responsible for the preparation of particular medical device standards.

Single copy price: \$65.00 (AAMI members)/\$130.00 (list)

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

Order from: AAMI Publications (phone: 1-877-249-8226/Fax: 1-301-206-9789)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Moyer, (703) 253-8274, [jmoyer@aami.org](mailto:jmoyer@aami.org)

**AISI (American Iron and Steel Institute)****Reaffirmation**

BSR/AISI S211-2007 (R201x), North American Standard for Cold-Formed Steel Framing - Wall Stud Design, 2007 Edition, (2012) (reaffirmation of ANSI/AISI S211-2007)

This standard provides design and installation of cold-formed steel studs for structural walls in buildings.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7134, [hchen@steel.org](mailto:hchen@steel.org); [doates@steel.org](mailto:doates@steel.org)

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

**ASC X9 (Accredited Standards Committee X9, Incorporated)****New Standard**

BSR X9.117-201x, Secure Remote Access Mutual Authentication (new standard)

The financial services industry relies on several time-honored methods of electronically identifying, authorizing, and authenticating entities and protecting financial transactions. These methods include, but are not limited to:

- Personal Identification Numbers (PINs) and Message Authentication Codes (MACs) for retail and wholesale financial transactions;
- user IDs and passwords for network and computer access; and
- key management for network connectivity.

Over the last forty years, banks, investment, and insurance companies have developed risk management processes and policies to support the use of these technologies in financial applications.

Single copy price: \$100.00

Obtain an electronic copy from: [janet.busch@x9.org](mailto:janet.busch@x9.org)

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

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

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

BSR/ASHRAE/IES Addendum bm to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum proposes to add a compliance path to Standard 90.1 to allow modeling in accordance with Appendix G, provided the percentage improvement of at least 45% over a baseline design. In addition, this addendum proposes to make the baseline consistent with the baseline of 90.1-2004 so the baseline will be consistent in future versions of the standard.

Single copy price: \$35.00

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

Send request to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

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

BSR/ASME BPVC Section II-2011, Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Revision: 2000 Addenda)

Section II of the Boiler and Pressure Vessel Code provides material specifications for base metallic and for non-metallic materials (except concrete and fiber-reinforced plastics under the scope of Section X) and material design values and limits and cautions on the use of materials.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Noel Lobo, (212) 591-8460, [lobon@asme.org](mailto:lobon@asme.org)

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

BSR/ASME MFC-6M-1998 (R2005), Measurement of Fluid Flow in Pipes Using Vortex Flow Meters (revision of ANSI/ASME MFC-6M-1998 (R2005))

This standard gives guidelines for the construction, principle of operation, installation, performance, influence factors and calibration of vortex flowmeters in a closed conduit running full for the measurement of volumetric flowrate and volume flow total of single phase liquids or gases including vapors such as steam. This document also describes the use of vortex flowmeters in combination with one or more other process measurements for the inferential measurement of mass flowrate, mass flow total, base volumetric flowrate and base volume total. This document is limited to full bore flowmeters and does not include the special case of insertion-type flowmeters.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Calvin Gomez, (212) 591-7021, [gomezc@asme.org](mailto:gomezc@asme.org)

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

BSR/ASME OM-2009, Operation and Maintenance of Nuclear Power Plants (revision of ANSI/ASME OM-S/G-2007)

This Standard provides requirements for testing and examination of pumps, valves, pressure relief devices and dynamic restraints (snubbers) in light-water nuclear power plants.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

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

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmation

BSR ATIS 0700004.a-2008 (R201x), Supplement to ATIS High Capacity-Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (reaffirmation of ANSI ATIS 0700004.a-2008)

This document contains necessary supplemental changes to ATIS 0700004.2007 to support transport of IP over PPP, IEEE802.2 LLC, IEEE802.3/Ethernet Payloads and Payload Header Suppression profiles over the HC-SDMA air interface.

Single copy price: \$55.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

Order from: Kerrienne Conn, (202) 434-8841, [kconn@atis.org](mailto:kconn@atis.org)

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

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmation

BSR ATIS 0700708-1998 (R201x), PCS 1900 Service Provider Number Portability (reaffirmation of ANSI ATIS 0700708-1998 (R2008))

Number Portability (NP) allows subscribers to retain their Directory Number (DN) when they change their service provider (service provider portability), location (location portability), or service (service portability). The focus of this specification is to allow PCS1900 systems to support.

Single copy price: \$130.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

Order from: Kerrienne Conn, (202) 434-8841, [kconn@atis.org](mailto:kconn@atis.org)

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

## AWS (American Welding Society)

### Revision

BSR/AWS B5.16-201x, Specification for the Qualification of Welding Engineers (revision of ANSI/AWS B5.16-2006)

This specification establishes the requirements for qualification of Welding Engineers. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined in this standard. This specification is a method for engineers to establish a record of their qualification and abilities in welding industry work such as development of procedures, processes controls, quality standards, problem solving, etc.

Single copy price: \$25.00

Obtain an electronic copy from: [roneill@aws.org](mailto:roneill@aws.org)

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Andrew Davis, AWS; [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

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

### Withdrawal

INCITS/ISO/IEC 18031:2005/Cor1:2009, Information technology - Security techniques - Random bit generation - Corrigendum 1 (withdrawal of INCITS/ISO/IEC 18031:2005/Cor1:2009)

Technical Corrigendum 1 to ISO/IEC 18031:2005.

Single copy price: \$30.00

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

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ih.com](http://www.global.ih.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [rporter@itic.org](mailto:rporter@itic.org)

## NEMA (National Electrical Manufacturers Association)

### New Standard

BSR/NEMA AB 3-201x, Molded Case Circuit Breakers and Their Application (new standard)

NEMA AB 3-2012 application guide covers molded-case circuit breakers (MCCB) and molded-case switches, single and multiple pole, fused and unfused, together with accessories used with them.

Single copy price: Free

Obtain an electronic copy from: [gary.macfadden@nema.org](mailto:gary.macfadden@nema.org)

Order from: Gary MacFadden, (703) 841 3253, [gary.macfadden@nema.org](mailto:gary.macfadden@nema.org)

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

## SCTE (Society of Cable Telecommunications Engineers)

### Revision

BSR/SCTE 81-201x, Surge Withstand Test Procedure (revision of ANSI/SCTE 81-2007)

This document describes a procedure for subjecting a broadband device to surge conditions as specified in IEEE C62.41. Ports shall be tested in compliance with IEEE C62.41, Category B3 Combination Waveform, or IEEE C62.41, Category A3 Ring Waveform, as specified for the Device Under Test.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ih.com](http://www.global.ih.com)

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

## UL (Underwriters Laboratories, Inc.)

### New Standard

BSR/UL 2577-201X, Standard for Safety for Suspended Ceiling Grid Low Voltage Systems and Equipment (new standard)

The following changes in requirements to the Standard for Suspended Ceiling Grid Low Voltage Systems and Equipment, UL 2577/ULC S2577, are being proposed:

(1) The proposed first edition of the Joint UL/ULC Standard for Suspended-Ceiling-Grid Low-Voltage Systems and Equipment, UL 2577/ULC S2577.

Single copy price: Contact [comm2000](mailto:comm2000) for pricing and delivery options

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

Order from: [comm2000](mailto:comm2000)

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

## UL (Underwriters Laboratories, Inc.)

### Revision

BSR/UL 558-201X, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2012A)

UL proposes revisions to UL 558 to add natural gas requirements, add wire types, and the use of biofuels.

Single copy price: Contact [comm2000](mailto:comm2000) for pricing and delivery options

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

Order from: [comm2000](mailto:comm2000)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nicolette Allen, (919) 549-0973, [Nicolette.Allen@ul.com](mailto:Nicolette.Allen@ul.com)

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

BSR/UL 796-201x, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2012a)

Revisions to various construction and performance requirements for UL 796 are being proposed.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

**Comment Deadline: December 11, 2012****ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME A112.6.1M-1997 (R2008), Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use (reaffirmation of ANSI/ASME A112.6.1M-1997 (R2008))

This Standard applies to floor-affixed supports for off-the-floor plumbing fixtures, including combination carriers and waste fittings for water closets, and carriers for urinals, lavatories, sinks, and water coolers. This Standard covers definitions, materials and finishes, general requirements, strength and deflection requirements, and details of the various types of supports included in this standard.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view the ASME catalog at <http://www.asme.org/kb/standards>.

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

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

BSR/ASME A112.6.4-2003 (R201x), Roof, Deck, and Balcony Drains (reaffirmation of ANSI/ASME A112.6.4-2003 (R2008))

This Standard establishes minimum design requirements for roof drains, including general-purpose, gutter and cornice, parapet and promenade, balcony, or deck types, which convey rainwater from the roof area of building structures. It includes definitions, nomenclature, outlet types and connections, dome or grate-free area, top loading classifications, materials and finishes, and accessories.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view the ASME catalog at <http://www.asme.org/kb/standards>.

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

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

BSR/ASME A112.14.1-2003 (R2008), Backwater Valves (reaffirmation of ANSI/ASME A112.14.1-2003 (R2008))

This Standard establishes requirements for dimensions, performance requirements, connections, materials and finishes, testing, and marking of backwater valves. Types of backwater valves covered in this Standard include horizontal backwater valves, combination horizontal backwater valves and manual gate valves, terminal backwater valves, combination floor drains with backwater valves, vertical or 90 deg backwater valve, and related products.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view the ASME catalog at <http://www.asme.org/kb/standards>.

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

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

BSR/ASME A112.18.3-2002 (R2008), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2008))

This Standard addresses functional performance and requires physical characteristics of devices and systems which provide backflow protection consistent with the level of risk associated with the plumbing fixture fitting application. The Standard establishes specific performance criteria and provides the test methods to prove compliance. It is applicable to all plumbing fixture fittings with outlets not protected by an air gap.

Single copy price: \$35.00

For Reaffirmations and Withdrawn standards, please view the ASME catalog at <http://www.asme.org/kb/standards>.

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

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

BSR/ASME A112.36.2M-2008 (R200x), Cleanouts (reaffirmation of ANSI/ASME A112.36.2M-2008 (R2008))

This Standard covers cleanouts including floor and wall types used in concealed piping in and adjacent to commercial, industrial, institutional, and other buildings open to public use. This Standard addresses:

- (a) definitions;
- (b) nomenclature;
- (c) connection and closure types;
- (d) covers and frames;
- (e) materials and finishes; and
- (f) variations and accessories.

Single copy price: \$35.00

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

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

## **IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

### ***New Standard***

BSR/IAPMO Z124.7-201x, Prefabricated Plastic Spa Shells (new standard)

This standard covers prefabricated plastic spa shells and specifies requirements for materials, construction, performance testing, and markings.

Single copy price: \$40.00

Obtain an electronic copy from: [Abraham.murra@iapmort.org](mailto:Abraham.murra@iapmort.org)

Order from: Abraham Murra, (909) 472-4106, [Abraham.murra@iapmort.org](mailto:Abraham.murra@iapmort.org)

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

## **IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

### ***New Standard***

BSR/IAPMO Z124.8-201x, Plastic Liners for Bathtubs and Shower Receptors (new standard)

This standard covers plastic liners for bathtubs and shower receptors and specifies requirements for materials, construction, performance testing, and markings.

Single copy price: \$40.00

Obtain an electronic copy from: [Abraham.murra@iapmort.org](mailto:Abraham.murra@iapmort.org)

Order from: Abraham Murra, (909) 472-4106, [Abraham.murra@iapmort.org](mailto:Abraham.murra@iapmort.org)

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

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

### ***New Standard***

BSR/UL 51-201X, Standard for Safety for Power-Operated Pumps for Anhydrous Ammonia and LP-Gas (new standard)

Power-operated pumps for anhydrous ammonia and liquefied petroleum gas (LP-Gas) for use in liquid transfer operations in nonrefrigerated systems.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@ul.com](mailto:Kristin.L.Andrews@ul.com)

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

### ***New Standard***

BSR/UL 565-201X, Standard for Safety for Liquid-Level Gauges and Indicators for Anhydrous Ammonia and LP-Gas (new standard)

Liquid-level gauges for anhydrous ammonia and liquefied petroleum gas (LP-Gas) for use with pressure vessels in nonrefrigerated systems.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@ul.com](mailto:Kristin.L.Andrews@ul.com)

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

### ***New Standard***

BSR/UL 1478A-201x, Standard for Safety for Pressure Relief Valves for Sprinkler Systems (new standard)

Pressure relief valves intended for use in sprinkler systems for fire protection service to relieve excessive pressures caused by thermal expansion, downstream of a pressure reducing valve or in valve trim.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@ul.com](mailto:Kristin.L.Andrews@ul.com)

## **Projects Withdrawn from Consideration**

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

### **TIA (Telecommunications Industry Association)**

BSR/TIA 664.526-B-201x, Wireless Features Description: Calling Name Presentation (CNAP) (revision and redesignation of ANSI/TIA 664-526-B-2007)

Inquiries may be directed to Stephanie Montgomery, (703) 907-7706, [standards@tiaonline.org](mailto:standards@tiaonline.org)

### **TIA (Telecommunications Industry Association)**

BSR/TIA 664.535-B-201x, Wireless Features Description: User Group (UG) (revision and redesignation of ANSI/TIA 664-535-B-2007)

# Call for Members (ANS Consensus Bodies)

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

## **AAMI (Association for the Advancement of Medical Instrumentation)**

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

**Contact:** *Jennifer Moyer*

**Phone:** (703) 253-8274

**Fax:** (703) 276-0793

**E-mail:** [jmoyer@aami.org](mailto:jmoyer@aami.org)

BSR/AAMI/IEC 62366-2007 (R201x), Medical devices - Application of usability engineering to medical devices (reaffirmation of ANSI/AAMI/IEC 62366-2007)

## **ASCE (American Society of Civil Engineers)**

**Office:** 1801 Alexander Bell Drive  
Reston, VA 20191

**Contact:** *Paul Sgambati*

**Phone:** (703) 295-6297

**Fax:** (703) 295-6361

**E-mail:** [psgambati@asce.org](mailto:psgambati@asce.org)

BSR/ASCE/CI ##-YYYY-201x, Utility "As-Built" Records Mapping and Depiction (new standard)

## **IESNA (Illuminating Engineering Society of North America)**

**Office:** 120 Wall Street, 17th Floor  
New York, NY 10005-4001

**Contact:** *Rita Harrold*

**Phone:** (212) 248-5000 x115

**Fax:** (212) 248-5017

**E-mail:** [rharrold@ies.org](mailto:rharrold@ies.org)

BSR/IES RP-27.1-201x, Photobiological Safety for Lamps and Lamp Systems -General Requirements (revision of ANSI/IESNA RP-27.1-2005)

BSR/IES RP-27.2-201x, Recommended Practice for Photobiological Safety for Lamps and Lamp Systems - Measurement Techniques (revision and redesignation of ANSI/IESNA RP-27.2-2000 (R2010))

BSR/IES RP-27.3-201x, Photobiological Safety for Lamps - Risk Group Classification and Labeling (revision and redesignation of ANSI/IESNA RP-27.3-2007)

## **ISA (ISA)**

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

**Contact:** *Ellen Fussell Policastro*

**Phone:** (919) 990-9227

**Fax:** (919) 549-8288

**E-mail:** [efussell@isa.org](mailto:efussell@isa.org)

BSR/ISA 108.1-201x, Intelligent Field Device Management (new standard)

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

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

**Contact:** *Deborah Spittle*

**Phone:** (202) 626-5746

**Fax:** (202) 638-4922

**E-mail:** [dspittle@itic.org](mailto:dspittle@itic.org)

INCITS/ISO/IEC 18031:2005/Cor1:2009, Information technology - Security techniques - Random bit generation - Corrigendum 1 (identical national adoption of ISO/IEC 18031:2005/Cor1:2009)

INCITS/ISO/IEC 18031:2005/Cor1:2009, Information technology - Security techniques - Random bit generation - Corrigendum 1 (withdrawal of INCITS/ISO/IEC 18031:2005/Cor1:2009)

## **MHI (Material Handling Industry)**

**Office:** 8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992

**Contact:** *Michael Ogle*

**Phone:** (704) 676-1190

**Fax:** (704) 676-1199

**E-mail:** [mogle@mhia.org](mailto:mogle@mhia.org); [carmen@mhia.org](mailto:carmen@mhia.org)

BSR MH30.2-201x, Performance and Testing of Portable Dock Leveling Devices (revision of ANSI MH30.2-2005)

BSR MH30.3-201x, Performance and Testing of Vehicle Restraining Devices (revision of ANSI MH30.3-2005)

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

**Office:** 15 Technology Parkway South  
Norcross, GA 30092

**Contact:** *Charles Bohanan*

**Phone:** (770) 209-7276

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 453 sp-201x, Effect of dry heat on properties of paper and board (new standard)

BSR/TAPPI T 511 om-201x, Folding endurance of paper (MIT tester) (new standard)



# Call for Members (ANS Consensus Bodies)

## STP 859 (Standards Technical Panel for Electric Personal Grooming Appliances)

Derrick Martin, (408) 754-6656, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)  
UL Standards Committees

STP 859 seeks to broaden its membership base and is recruiting new participants in the following interest categories:

**Commercial/Industrial User:** Organizations that use the product, systems, or service covered by the applicable standards under the STP in a commercial or industrial setting. Examples include a restaurant owner/operator serving on an STP for commercial cooking equipment, or a gas station owner/operator serving on an STP for flammable liquid storage tanks. Representative of organizations that produce products, systems, or services covered by the standard, whose organization also use the product, system, or services, are not eligible for STP membership under this category.

**Consumer:** Consumer organizations, consumer departments at universities, home economic departments at universities, professional consumers, and individuals who use the product or service as part of their livelihood and are not eligible for STP membership under another interest category.

**General Interest:** Consultants, members of academia, scientists, special experts, representatives of professional societies, representatives of trade associations, representatives of non-governmental organizations, representatives of companies that only private-brand label products (made by another manufacturer) covered by the STP, and other individuals, etc. that are not covered by the other participation categories.

**Supply Chain:** Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components; and installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by the STP, but solely use contract manufacturers to make the products are considered part of the supply chain category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the supply chain category.

**Testing and Standards Organization:** Organizations that test and/or certify products, services, or systems covered by the standard, or that develop standards/codes related to the products, services, or systems covered by the Standard.

STP 859 covers the following UL standards:

- UL 859 (Household Electric Personal Grooming Appliances) and
- UL 1727 (Commercial Electric Personal Grooming Appliances)

## STP 2044 (Standards Technical Panel for Closed Circuit Television Equipment)

Derrick Martin, (408) 754-6656, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)  
UL Standards Committees

STP 2044 seeks to broaden its membership base and is recruiting new participants in the following interest categories:

**Commercial/Industrial User:** Organizations that use the product, systems, or service covered by the applicable standards under the STP in a commercial or industrial setting. Examples include a restaurant owner/operator serving on an STP for commercial cooking equipment, or a gas station owner/operator serving on an STP for flammable liquid storage tanks. Representative of organizations that produce products, systems, or services covered by the standard, whose organization also use the product, system, or services, are not eligible for STP membership under this category.

**Supply Chain:** Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components; and installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by the STP, but solely use contract manufacturers to make the products are considered part of the supply chain category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the supply chain category.

**Testing and Standards Organization:** Organizations that test and/or certify products, services, or systems covered by the standard, or that develop standards/codes related to the products, services, or systems covered by the Standard.

STP 2044 covers the following UL standard:

UL 2044 (Commercial Closed-Circuit Television Equipment)

# 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.

## AISI (American Iron and Steel Institute)

### Supplement

ANSI/AISI S230-2007/S3-2012, Supplement 3 to Standard for Cold-Formed Steel Framing - Prescriptive Method for One and Two Family Dwellings, 2007 Edition (supplement to ANSI/AISI S230-2007): 10/5/2012

## ANS (American Nuclear Society)

### Reaffirmation

ANSI/ANS 1-2000 (R2012), Conduct of Critical Experiments (reaffirmation of ANSI/ANS 1-2000 (R2007)): 10/5/2012

### Revision

ANSI/ANS 15.21-2012, Format and Content for Safety Analysis Reports for Research Reactors (revision of ANSI/ANS 15.21-1996 (R2006)): 10/5/2012

## ASME (American Society of Mechanical Engineers)

### Revision

ANSI/ASME HST-1-2012, Performance Standard for Electric Chain Hoists (revision of ANSI/ASME HST-1-1999 (R2004)): 10/4/2012

### Withdrawal

ANSI/ASME B32.5-1977, Preferred Metric Sizes for Tubular Metal Products other than Pipe (withdrawal of ANSI/ASME B32.5-1977 (R2010)): 10/5/2012

## ASTM (ASTM International)

### New Standard

ANSI/ASTM E2889-2012, Practice for Control of Respiratory Hazards in the Metal Removal Fluid Environment (new standard): 10/1/2012

### Revision

ANSI/ASTM D7566-2012, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2011a): 10/1/2012

ANSI/ASTM E176-2012, Terminology of Fire Standards (revision of ANSI/ASTM E176-2010a): 10/1/2012

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmation

ANSI ATIS 0100008-2007 (R2012), Defects Per Million (DPM) Metric for Transaction Services Such as VoIP (reaffirmation of ANSI ATIS 0100008-2007): 10/5/2012

### Revision

ANSI ATIS 0300211-2012, Information Interchange - Structure and Coded Representation of National Security and Emergency Preparedness (NS/EP) Telecommunications Service Priority (TSP) Codes for the North Telecommunications System (revision of ANSI ATIS 0300211-2001 (R2011)): 10/5/2012

### Withdrawal

ANSI ATIS 0300211.a-2007, Information Interchange - Structure and Coded Representation of National Security and Emergency Preparedness (NS/EP) Telecommunications Service Priority (TSP) Codes for the North American Telecommunications System (withdrawal of ANSI ATIS 0300211.a-2007): 10/5/2012

## AWS (American Welding Society)

### New National Adoption

ANSI/AWS A5.10/A5.10M:2012 (ISO 18273:2004 MOD), Welding Consumables - Wire Electrodes, Wire and Rods for Welding of Aluminum and Aluminum-Alloys - Classification (national adoption with modifications of ISO 18273:2004 MOD): 10/4/2012

### Revision

ANSI/AWS A5.4/A5.4M-2012, Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.4/A5.4M-2006): 10/5/2012

## CSA (CSA Group)

### New Standard

\* ANSI Z21.101-2012, Standard for Connectors for Other than All Metal Construction (Same as CSA 8.5) (new standard): 10/5/2012

### Revision

\* ANSI/CSA LC 4-2012, Standard for Press-Connect Metallic Fittings for Use in Fuel Gas Distribution Systems (same as CSA 6.32) (revision of ANSI/CSA LC 4-2007 (R2012)): 10/4/2012

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

### Reaffirmation

INCITS/ISO/IEC 26300-2007 (R2012), Information Technology - Open Document for Office Applications (OpenDocument) v1.0 (reaffirmation of INCITS/ISO/IEC 26300-2007): 10/5/2012

### Stabilized Maintenance

ANSI INCITS 207-1991 (S2012), Office Machines and Supplies - Alphanumeric Machines - Alternate Keyboard Arrangement (stabilized maintenance of ANSI INCITS 207-1991 (R2007)): 10/5/2012

## **PLASA (PLASA North America)**

### ***Reaffirmation***

ANSI E1.36-2007 (R2012), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007): 10/4/2012

## **PMI (Project Management Institute)**

### ***Revision***

ANSI/PMI 08-002-2012, Standard for Program Management - Third Edition (revision of ANSI/PMI 08-002-2008): 10/5/2012

## **SCTE (Society of Cable Telecommunications Engineers)**

### ***New Standard***

ANSI/SCTE 186-2012, Product Environmental Requirements for Cable Telecommunications Facilities (new standard): 10/5/2012

### ***Revision***

ANSI/SCTE 76-2012, Antenna Selector Switches (revision of ANSI/SCTE 76-2007): 10/5/2012

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

### ***Revision***

ANSI/UL 180-2012, Standard for Safety for Liquid-Level Gauges for Oil Burner Fuels and Other Combustible Liquids (Bulletin dated March 9, 2012) (revision of ANSI/UL 180-1997 (R2007)): 10/3/2012

ANSI/UL 180-2012a, Standard for Safety for Liquid-Level Gauges for Oil Burner Fuels and Other Combustible Liquids (Bulletin dated August 17, 2012) (revision of ANSI/UL 180-1997 (R2007)): 10/3/2012

# Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit [www.NSSN.org](http://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.

## API (American Petroleum Institute)

**Office:** 1220 L Street, NW  
Washington, DC 20005-4070

**Contact:** *Shail Ghaey*

**Fax:** (202) 682-8051

**E-mail:** [ghaey@api.org](mailto:ghaey@api.org)

BSR/API HF4-201x, Community Engagement and Development (new standard)

Stakeholders: Operators, local regulatory bodies, local communities near onshore operations.

Project Need: Standardizes community engagement practices.

The purpose of this document is to provide industry-recommended practices for engagement where onshore operations affect nearby communities, and where development may be needed to support such operations. The intent of the document is to cover each phase of the life of the well to ensure the affected stakeholders are engaged.

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** *Carla VanGilder*

**Fax:** (269) 429-3852

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

\* BSR/ASAE EP364.4 MONYEAR-201x, Installation and Maintenance of Farm Standby Electric Power (revision and redesignation of ANSI/ASAE EP364.3-2006 (R2012))

Stakeholders: Manufacturers and installers, electrical contractors, electrical utilities and users of farm standby electric power equipment.

Project Need: Periodic review of standard identified out-of-date references.

Provides information to assist installers, maintenance personnel, operators and others in the proper installation, operation, and maintenance of farm standby electrical systems. It covers both engine-driven and tractor-driven generators for farm standby electrical power service as defined in EGSA-101G, EGSA-101S, and EGSA-101P.

## ASCE (American Society of Civil Engineers)

**Office:** 1801 Alexander Bell Drive  
Reston, VA 20191

**Contact:** *Paul Sgambati*

**Fax:** (703) 295-6361

**E-mail:** [psgambati@asce.org](mailto:psgambati@asce.org)

BSR/ASCE/CI ##-YYYY-201x, Utility "As-Built" Records Mapping and Depiction (new standard)

Stakeholders: ASCE, USDOT agencies, AASHTO, state DOT's, local public works agencies.

Project Need: At the present time a consensus standard, which defines requirements for the collection and submittal of utility "as-builts" records, does not exist.

The scope of the proposed standards activity is to develop a new standard for the collection and submittal of utility "as-builts" records. The content of the standard will be based on available technical information derived from the following standards/agencies:

- CI/ASCE 38-02;
- CSA S250-11;
- International Organization for Standardization (ISO) 15489-1:2001, Information and documentation - Records management;
- Open Geospatial Consortium (OGC);
- Federal Geographic Data Committee (FGDC); and
- the National Oceanic and Atmospheric Administration (NOAA) /National Geodetic Survey (NGS).

**ASPE (American Society of Plumbing Engineers)**

**Office:** 2980 S. River Road  
Des Plaines, IL 60018

**Contact:** *Gretchen Pienta*

**Fax:** (847) 296-2963

**E-mail:** [gpienta@aspe.org](mailto:gpienta@aspe.org)

BSR/ARCSA/ASPE 63-201x, Rainwater Catchment Systems (new standard)

Stakeholders: Plumbing engineers, designers, plumbers, builders/developers, local government, end users.

Project Need: This Rainwater Catchment System Design and Installation Standard is being developed by a joint effort of the American Rainwater Catchment Systems Association (ARCSA) and the American Society of Plumbing Engineers (ASPE). The purpose of this Standard is to assist engineers, designers, plumbers, builders/developers, local government, and end users in safely implementing a rainwater catchment system.

The scope of this Standard covers the design and installation of rainwater catchment systems that utilize the principle of collecting and using precipitation from a rooftop and other hard, impervious building surfaces. This Standard does not apply to the collection of rainwater from vehicular parking or other similar surfaces.

**ASTM (ASTM International)**

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

**Contact:** *Jeff Richardson*

**Fax:** (610) 834-7067

**E-mail:** [accreditation@astm.org](mailto:accreditation@astm.org)

BSR/ASTM WK39157-201x, New Practice for Standard Practice for the Utilization of Mobile, Automated Cured-In-Place Pipe (CIPP) Impregnation Systems (new standard)

Stakeholders: Plastic Piping Systems Industry.

Project Need: This practice describes the procedures for the impregnation of 4 to 48 in (100 to 1200 mm) diameter cured-in-place pipe utilizing mobile, automated systems.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK39157.htm>

**ATIS (Alliance for Telecommunications Industry Solutions)**

**Office:** 1200 G Street, NW  
Suite 500  
Washington, DC 20005

**Contact:** *Kerriane Conn*

**Fax:** (202) 347-7125

**E-mail:** [kconn@atis.org](mailto:kconn@atis.org)

BSR ATIS 1000025-201x, Signaling Security - UNI Access and Signaling Standard (revision of ANSI ATIS 1000025-2008)

Stakeholders: Communications industry.

Project Need: To specify Voice over Packet and Multimedia Signaling and control plane security requirements for evolving networks.

This standard specifies Voice over Packet and Multimedia Signaling and control plane security requirements for evolving networks. This standard provides security requirements for VoP and Multimedia signaling and control services that cross the User to Network interfaces (UNI).

**IESNA (Illuminating Engineering Society of North America)**

**Office:** 120 Wall Street, 17th Floor  
New York, NY 10005-4001

**Contact:** *Rita Harrold*

**Fax:** (212) 248-5017

**E-mail:** [rharrold@ies.org](mailto:rharrold@ies.org)

BSR/IES RP-27.1-201x, Photobiological Safety for Lamps and Lamp Systems -General Requirements (revision of ANSI/IESNA RP-27.1-2005)

Stakeholders: Original equipment manufacturers, testing labs and photobiologists.

Project Need: New information on potential optical radiation effects.

To inform the public and equipment manufacturers about potential radiation hazards that may be associated with various lamps and lamp systems.

BSR/IES RP-27.2-201x, Recommended Practice for Photobiological Safety for Lamps and Lamp Systems - Measurement Techniques (revision and redesignation of ANSI/IESNA RP-27.2-2000 (R2010))

Stakeholders: Testing labs experienced in radiometry.

Project Need: Changes in photobiological action spectra.

Provides guidance on methods of test and instruments to analyze spectral output of lamps and lamp systems.

BSR/IES RP-27.3-201x, Photobiological Safety for Lamps - Risk Group Classification and Labeling (revision and redesignation of ANSI/IESNA RP-27.3-2007)

Stakeholders: Lamp manufacturers, testing labs.

Project Need: New lamps and lamp systems require evaluation of possible changes in radiation hazards.

Classification into risk groups, labeling and information requirements for lamps that emit optical radiation in the wavelength range of 200 nm to 3000 nm.

**ISA (ISA)**

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

**Contact:** *Ellen Fussell Policastro*

**Fax:** (919) 549-8288

**E-mail:** [efussell@isa.org](mailto:efussell@isa.org)

BSR/ISA 108.1-201x, Intelligent Field Device Management (new standard)

Stakeholders: Process industries.

Project Need: To define standard templates of best practices and work processes for implementation and use of diagnostic and other information provided by intelligent field devices in the process industries.

The scope will include recommended work processes and implementation practices for systems that utilize information from intelligent field devices and the people who use them.

**MHI (Material Handling Industry)**

**Office:** 8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992

**Contact:** *Michael Ogle*

**Fax:** (704) 676-1199

**E-mail:** mogle@mhia.org; carmen@mhia.org

BSR MH30.2-201x, Performance and Testing of Portable Dock Leveling Devices (revision of ANSI MH30.2-2005)

Stakeholders: Designers, manufacturers, specifiers, users, governing bodies.

Project Need: Electrical, safety, and user/manufacture responsibilities.

Defines performance and testing requirements for the design, use, and maintenance of portable dock leveling devices of the type generally referred to as dockboards and dockplates. Provides definitions of dockboard and dockplate types and component parts, product requirements and considerations, and owner responsibilities. Buyers and specifiers may use this standard to ensure equal comparison of various manufacturers' representations as to features and performance of the dock-leveling devices.

BSR MH30.3-201x, Performance and Testing of Vehicle Restraining Devices (revision of ANSI MH30.3-2005)

Stakeholders: Designers, manufacturers, specifiers, users, governing bodies.

Project Need: Revise safety considerations and user/manufacture responsibilities.

This standard defines performance and testing requirements with regard to design, use, and maintenance of trailer-restraining devices. This standard provides definitions of trailer restraining device types and component parts. Requirements and owner responsibilities are discussed. Buyers and specifiers of loading dock trailer restraint devices may use this standard to ensure equal comparison of various manufacturers' representations as to features and performance of the devices.

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

**Office:** 15 Technology Parkway South  
Norcross, GA 30092

**Contact:** *Charles Bohanan*

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 453 sp-201x, Effect of dry heat on properties of paper and board (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 method specifies the procedure for dry heat treatment of paper or board, and the general procedure for testing the heat-treated materials. The purpose is to obtain, by an accelerated aging test, inferences regarding the aging qualities of the paper.

BSR/TAPPI T 511 om-201x, Folding endurance of paper (MIT tester) (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 method describes the use of the MIT-type apparatus for the determination of the folding endurance of paper. An exhaust fan arrangement maintains the folding head at room temperature.

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

**Office:** 333 Pfingsten Road  
Northbrook, IL 60062

**Contact:** *Beth Northcott*

**Fax:** (847) 664-3198

**E-mail:** Elizabeth.Northcott@ul.com

\* BSR/UL 2565-201X, Standard for Safety for Manual and Semiautomatic Metal Sawing Machines (new standard)

Stakeholders: Manufacturers of semiautomatic metal sawing machines, consumers.

Project Need: To obtain national recognition of a standard covering manual and semiautomatic metal sawing machines.

This outline of investigation covers manual and semi-automatic metal sawing machines that use a saw blade (tool) to cut off or change the shape of the work piece and are intended for use in industrial or commercial applications. Machines are manually operated or capable of performing one cutting cycle of operation, which is manually actuated.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

Alternatively, you may contact the Procedures & Standards Administration Department (PSA) at [psa@ansi.org](mailto: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](mailto:standact@ansi.org).

## AAMI

Association for the Advancement of  
Medical Instrumentation  
4301 N Fairfax Drive  
Suite 301  
Arlington, VA 22203-1633  
Phone: (703) 253-8274  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

## AISI

American Iron and Steel Institute  
25 Massachusetts Avenue, NW  
Suite 800  
Washington, DC 20001  
Phone: (202) 452-7134  
Fax: (202) 452-1039  
Web: [www.steel.org](http://www.steel.org)

## ANS

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60526-5592  
Phone: (708) 579-8269  
Fax: (708) 579-8248  
Web: [www.ans.org](http://www.ans.org)

## API

American Petroleum Institute  
1220 L Street, NW  
Washington, DC 20005-4070  
Phone: (202) 682-8056  
Fax: (202) 682-8051  
Web: [www.api.org](http://www.api.org)

## ASA (ASC S12)

Acoustical Society of America  
35 Pinelawn Road, Suite 114E  
Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 390-0217  
Web: [acousticalsociety.org](http://acousticalsociety.org)

## ASABE

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

## ASC X9

Accredited Standards Committee X9,  
Incorporated  
1212 West Street, Suite 200  
Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: [www.x9.org](http://www.x9.org)

## ASCE

American Society of Civil Engineers  
1801 Alexander Bell Drive  
Reston, VA 20191  
Phone: (703) 295-6297  
Fax: (703) 295-6361  
Web: [www.asce.org](http://www.asce.org)

## ASHRAE

American Society of Heating,  
Refrigerating and Air-Conditioning  
Engineers, Inc.  
1791 Tullie Circle NE  
Atlanta, GA 30329  
Phone: (404) 636-8400  
Fax: (678) 539-2138  
Web: [www.ashrae.org](http://www.ashrae.org)

## ASME

American Society of Mechanical  
Engineers  
3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016  
Phone: (212) 591-8521  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

## ASPE

American Society of Plumbing  
Engineers  
2980 S. River Road  
Des Plaines, IL 60018  
Phone: (847) 296-0002  
Fax: (847) 296-2963  
Web: [www.aspe.org](http://www.aspe.org)

## ASTM

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959  
Phone: (610) 832-9743  
Fax: (610) 834-3655  
Web: [www.astm.org](http://www.astm.org)

## ATIS

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

## AWS

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (305) 443-9353  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

## CSA

CSA Group  
8501 East Pleasant Valley Rd.  
Cleveland, OH 44131  
Phone: (216) 524-4990  
Fax: (216) 520-8979  
Web: [www.csa-america.org](http://www.csa-america.org)

## IAPMO (Z)

International Association of Plumbing  
& Mechanical Officials  
5001 East Philadelphia Street  
Ontario, CA 91761-2816  
Phone: (909) 472-4106  
Fax: (909) 472-4150  
Web: [www.iapmort.org](http://www.iapmort.org)

## IESNA

Illuminating Engineering Society of  
North America  
120 Wall Street, 17th Floor  
New York, NY 10005-4001  
Phone: (212) 248-5000 x115  
Fax: (212) 248-5017  
Web: [www.iesna.org](http://www.iesna.org)

## ISA (Organization)

ISA-The Instrumentation, Systems,  
and Automation Society  
67 Alexander Drive  
Research Triangle Park, NC 27709  
Phone: (919) 990-9227  
Fax: (919) 549-8288  
Web: [www.isa.org](http://www.isa.org)

## ITI (INCITS)

InterNational Committee for  
Information Technology Standards  
1101 K Street NW, Suite 610  
Washington, DC 20005  
Phone: (202) 626-5743  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

## MHI

Material Handling Industry  
8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992  
Phone: (704) 676-1190  
Fax: (704) 676-1199  
Web: [www.mhia.org](http://www.mhia.org)

## NEMA (Canvass)

National Electrical Manufacturers  
Association  
1300 North 17th Str., Suite 1752  
Rosslyn, VA 22209  
Phone: (703) 841-3253  
Fax: (703) 841-3353  
Web: [www.nema.org](http://www.nema.org)

## NSF

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 769-5159  
Fax: (734) 827-6176  
Web: [www.nsf.org](http://www.nsf.org)

## PLASA

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

## PMI (ORGANIZATION)

Project Management Institute  
14 Campus Boulevard  
Newtown Square, PA 19073-3299  
Phone: 610-356-4600  
Fax: 610-356-4647  
Web: [www.pmi.org](http://www.pmi.org)

## RVIA

Recreational Vehicle Industry  
Association  
1896 Preston White Drive  
P.O. Box 2999  
Reston, VA 20191-4363  
Phone: (703) 620-6003  
Fax: (703) 620-5071  
Web: [www.rvia.org](http://www.rvia.org)

## SCTE

Society of Cable Telecommunications  
Engineers  
140 Philips Rd.  
Exton, PA 19341  
Phone: (610) 594-7308  
Fax: (610) 363-7133  
Web: [www.scte.org](http://www.scte.org)

## TAPPI

Technical Association of the Pulp and  
Paper Industry  
15 Technology Parkway South  
Norcross, GA 30092  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

## TIA

Telecommunications Industry  
Association  
2500 Wilson Boulevard, Suite 300  
Arlington, VA 22201  
Phone: (703) 907-7706  
Fax: (703) 907-7727  
Web: [www.tiaonline.org](http://www.tiaonline.org)

## UL

Underwriters Laboratories, Inc.  
455 E Trimble Road  
San Jose, CA 95131-1230  
Phone: (408) 754-6634  
Fax: (408) 754-6634  
Web: [www.ul.com/](http://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 Rachel Howenstine at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. 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](mailto: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

### **CERAMIC TILE (TC 189)**

ISO/DIS 13007-4, Ceramic tiles - Grouts and adhesives - Part 4: Test methods for grouts - 12/30/2012, \$82.00

### **CRANES (TC 96)**

ISO/DIS 9374-3, Cranes - Information to be provided for enquiries, orders, offers and supply - Part 3: Tower cranes - 1/7/2013, \$71.00

### **DENTISTRY (TC 106)**

ISO/DIS 16635-2, Dentistry - Dental rubber dam technique - Part 2: Clamp forceps - 1/9/2013, \$33.00

### **FIRE SAFETY (TC 92)**

ISO/DIS 16405, Measurement of toxic gas production using FTIR technique for room corner test and open calorimetry - 1/3/2013, \$58.00

### **GRAPHICAL SYMBOLS (TC 145)**

ISO/DIS 9186-3, Graphical symbols - Test methods - Part 3: Method for testing referent association - 1/9/2013, \$62.00

### **HYDROMETRIC DETERMINATIONS (TC 113)**

ISO/DIS 11657, Sediment in streams and canals - Determination of concentration by surrogate techniques - 1/2/2013, \$82.00

### **IMPLANTS FOR SURGERY (TC 150)**

ISO/DIS 14243-4, Implants for surgery - Wear of total knee prostheses - Part 4: Wear of the patella-femoral joint - Loading and displacement parameters for wear-testing machines and corresponding environmental conditions for test - 1/9/2013, \$58.00

### **MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)**

ISO/DIS 10790, Measurement of fluid flow in closed conduits - Guidance to the selection, installation and use of Coriolis meters (mass flow, density and volume flow measurements) - 1/2/2013, \$107.00

### **MECHANICAL VIBRATION AND SHOCK (TC 108)**

ISO/DIS 18431-3, Mechanical vibration and shock - Signal processing - Part 3: Methods of time-frequency and time-scale analysis - 1/9/2013, \$46.00

### **NUCLEAR ENERGY (TC 85)**

ISO/DIS 21483, Determination of solubility in nitric acid of plutonium in unirradiated mixed-oxide fuel pellets (U, Pu) O<sub>2</sub> - 11/7/2023, \$40.00

### **PHOTOGRAPHY (TC 42)**

ISO/DIS 18937, Imaging materials - Photographic reflection prints - Methods for measuring indoor light stability - 1/2/2013, \$119.00

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

ISO/DIS 17885, Plastics piping systems - Mechanical fittings for pressure piping systems - Specifications - 1/9/2013, \$112.00

### **SOLAR ENERGY (TC 180)**

ISO/DIS 22975-3, Solar Energy-Collector components and materials - Part 3: Absorber surface durability - 1/9/2013, \$98.00

### **STEEL (TC 17)**

ISO/DIS 15510, Stainless steels - Chemical composition - 1/2/2013, \$125.00

ISO/DIS 16143-1, Stainless steels for general purposes - Part 1: Flat products - 1/2/2013, \$82.00

ISO/DIS 16143-2, Stainless steels for general purposes - Part 2: Semi-finished products, bars, rods and sections - 1/2/2013, \$88.00

ISO/DIS 16143-3, Stainless steels for general purposes - Part 3: Wire - 1/2/2013, \$67.00

### **SURFACE CHEMICAL ANALYSIS (TC 201)**

ISO 18115-1/DAMd1, Surface chemical analysis - Vocabulary - Part 1: General terms and terms used in spectroscopy - Amendment 1 - 1/4/2013, \$165.00

ISO 18115-2/DAMd1, Surface chemical analysis - Vocabulary - Part 2: Terms used in scanning-probe microscopy - Amendment 1 - 1/4/2013, FREE

**TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)**

ISO 730/DAMd1, Agricultural wheeled tractors - Rear-mounted three-point linkage - Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 - Amendment 1 - 12/5/2012, \$29.00

ISO/DIS 500-1, Agricultural tractors - Rear-mounted power take-off types 1, 2 and 3 - Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone - 1/1/2013, \$40.00

ISO/DIS 500-3, Agricultural tractors - Rear-mounted power take-off types 1, 2 and 3 - Part 3: Main PTO dimensions and spline dimensions, location of PTO - 1/1/2013, \$67.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC 10373-6/DAMd6, Identification cards - Test methods - Part 6: Proximity cards - Amendment 6: Alternating between PICC and PCD functionalities - 1/6/2013, FREE

ISO/IEC 14443-3/DAMd3, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 3: Alternating support of PICC and PCD roles - 1/6/2013, FREE

ISO/IEC DIS 24771, Information technology - Telecommunications and information exchange between systems - MAC/PHY standard for ad hoc wireless network to support QoS in an industrial work environment - 1/12/2013, \$165.00

**IEC Standards**

3C/1822/DC, Graphical symbols for "lamps" and use of letter symbols, 09/28/2012

21/783/NP, Valve-regulated lead-acid batteries used for electric moped, 12/07/2012

21A/503/FDIS, IEC 62133: Safety requirements for portable sealed secondary cells and for batteries made from them, for use in portable applications, 11/09/2012

23A/672/CD, Amendment 1 to IEC 61534-1 Ed.2: Powertrack systems - Part 1: General requirements, 11/09/2012

23A/674/CD, IEC 61534-22 Ed.2: Powertrack systems - Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation, 12/07/2012

31/1016/CD, IEC 60079-32-2/Ed1: Explosive atmospheres - Part 32-2: Electrostatics hazards - Tests, 12/07/2012

47/2147/NP, Future IEC 62779-3 Ed. 1: Semiconductor devices - Semiconductor interface for human body communication - Part 3: Functional type and its operational conditions, 12/07/2012

48B/2311A/CD, Revised IEC 60512-1-101 Ed 1.0: Connectors for electronic equipment - Tests and measurements - Part 1-101: Blank detail specification, 10/26/2012

56/1482/NP, Open Systems Dependability, 12/07/2012

57/1279/FDIS, IEC 62488-1: Power line communication systems for power utility applications - Part 1: Planning of analogue and digital power line carrier systems operating over EHV/HV/MV electricity grids, 11/09/2012

62D/1038/CD, ISO 80601-2-72: Medical Electrical Equipment - Part 2 -72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients, 12/07/2012

69/219A/CD, IEC 61851-1/Ed. 3: Electric vehicle conductive charging system - Part 1: General requirements, 10/12/2012

80/677/FDIS, IEC 61924-2 Ed.2: Maritime navigation and radiocommunication equipment and systems - Integrated Navigation Systems - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results, 11/09/2012

88/438/FDIS, IEC 61400-4 Ed.1: Wind turbines - Part 4: Design requirements for wind turbine gearboxes, 11/09/2012

91/1054/NP, Future IEC 61249-2-43: Materials for printed boards and other interconnecting structures - Part 2-43: Reinforced base materials clad and unclad - Non-halogen epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly, 12/07/2012

91/1055/NP, IEC 61249-44 Ed. 1: Materials for printed boards and other interconnecting structures - Part 2-44: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly, 12/07/2012

91/1056/CD, IEC 62137-4 Ed.1: Electronics assembly technology - Part 4: Endurance test methods for solder joint of area array type package surface mount devices, 11/09/2012

96/395/FDIS, IEC 61558-2-14 Ed.1: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and test for variable transformers and power supply units incorporating variable transformers, 11/09/2012

104/583/FDIS, IEC 60721-2-2 Ed.2: Classification of environmental conditions - Part 2-2: Environmental conditions appearing in nature - Precipitation and wind, 11/09/2012

110/408/CD, IEC 62715-1-1: Flexible display devices - Part 1-1: Terminology and letter symbols, 11/09/2012

110/410/CD, IEC 62715-6-1 Ed. 1: Flexible display devices - Part 6-1: Mechanical stress test methods, 11/09/2012

2/1676/CDV, IEC 60034-18-41 Ed.1: Rotating electrical machines - Part 18-41: Qualification and quality control tests for partial discharge free (Type I) electrical insulation systems used in rotating electrical machines fed from voltage converters, 12/14/2012

23A/668/CDV, IEC 62275 Ed. 2: Cable management systems - Cable ties for electrical installations, 12/14/2012

23E/767/FDIS, Amendment 2 to IEC 60934 Ed.3: Circuit Breakers for equipment (CBE), 11/16/2012

23E/769/CDV, Amendment 2 to IEC 61008-1 Ed.3: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules, 02/15/2013

23E/770/CDV, Amendment 2 to IEC 61009-1 Ed.3: Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, 02/15/2013

32A/296/DTR, IEC 62655/TR/Ed1: Tutorial and application guide for high-voltage fuses, 11/16/2012

34A/1610/CD, IEC 60969 Ed.2: Self-ballasted compact fluorescent lamps for general lighting services - Performance requirements, 12/14/2012

34A/1612/CDV, IEC 62663-1 Ed.1: Non-ballasted LED-lamps - Part 1: Safety specifications, 12/14/2012

38/440A/DTR, IEC/TR 61869-102: Instrument Transformers - Ferroresonance oscillations in substations associated with inductive voltage transformers, 10/26/2012

40/2180/CD, IEC 60939-3 Ed.1: Passive filter units for electromagnetic interference suppression - Part 3: Standard for passive filter units for which safety tests are appropriate, 12/14/2012

45B/743/FDIS, IEC 62387 Ed.1: Radiation protection instrumentation - Passive integrating dosimetry systems for personal and environmental monitoring of photon and beta radiation, 11/16/2012

49/1006/CD, IEC 60862-1 Ed.3: Surface acoustic wave (SAW) filters of assessed quality - Part 1: Generic specification, 12/14/2012

49/1007/CD, IEC 62604-1 Ed.1: Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 1: Generic specification, 12/14/2012

- 57/1280/CD, IEC 61968-6 Ed.1: Application integration at electric utilities - System interfaces for distribution management - Part 6: Interfaces for maintenance and construction, 12/14/2012
- 61/4444A/FDIS, IEC 60335-2-27-A1 Ed 3.0: Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation, 10/19/2012
- 61/4456/FDIS, IEC 60335-2-8 Ed 6.0: Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances, 11/16/2012
- 61/4457/FDIS, IEC 60335-2-41 Ed 4.0: Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, 11/16/2012
- 61/4458/FDIS, IEC 60335-2-75 Ed 3.0: Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, 11/16/2012
- 61B/465/CD, IEC 60335-2-25-A1-f1 Ed 6.0: Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, 12/14/2012
- 62C/549/CDV, IEC 60601-2-68: Medical electrical equipment - Part 2 -68: Particular requirements for basic safety and essential performance of X-ray Based Image Guided Radio Therapy equipment for use with electron accelerators, light ion beam therapy equipment and radionuclide beam therapy equipment, 12/14/2012
- 62C/550/CDV, IEC 61675-1: Radionuclide imaging devices - Characteristics and tests conditions - Part 1: Positron emission tomographs, 12/14/2012
- 62C/551/FDIS, IEC 61674: Medical electrical equipment - Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging, 11/16/2012
- 62D/1020/CDV, IEC 60601-2-36: Medical electrical equipment - Part 2 -36: Particular requirements for the basic safety and essential performance of extracorporeally induced lithotripsy, 12/14/2012
- 69/225/DC, Document for comment - IEC 61851-1, 10/26/2012
- 69/228/DC, ISO/CD 17409: Electrically propelled road vehicles - Connection to an external electric power supply - Safety specifications, 10/26/2012
- 77B/678/NP, Electromagnetic Compatibility (EMC) Part 4-XX: Testing and measurement techniques - radiated fields in close proximity - immunity test, 12/14/2012
- 78/992/CDV, IEC 60984: Live working - Electrical insulating sleeves, 02/15/2013
- 78/993/CDV, IEC 60903: Live working - Electrical insulating gloves, 02/15/2013
- 86A/1471/FDIS, IEC 60794-3-12/Ed2: Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling, 11/16/2012
- 86A/1479/CD, IEC 60793-2-40/Ed4: Optical fibres - Part 40: Product specifications - Sectional specification for category A4 multimode fibres, 11/16/2012
- 86A/1480/CD, IEC 60794-1-21/Ed1: Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical Tests Methods, 11/16/2012
- 86B/3500/FDIS, IEC 61753-056-2/Ed1: Fibre optic interconnecting devices and passive components - Performance standard - Part 056 -2: Single mode fibre pigtailed style optical fuse for category C - Controlled environment, 11/16/2012
- 86B/3501/FDIS, IEC 61753-057-2/Ed1: Fibre optic interconnecting devices and passive components - Performance standard - Part 057 -2: Single mode fibre plug-receptacle style optical fuse for category C - Controlled environment, 11/16/2012
- 100/2052/CDV, IEC 61937-6 Ed.2.0 Amd.1: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC and MPEG-4 AAC audio formats (TA 4), 12/14/2012
- 105/407/CD, IEC 62282-4-101 Ed.1: Fuel cell technologies - Part 4 -101: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units - Fuel cell power systems for industrial electrically driven forklift trucks - Safety, 12/14/2012
- 113/160/Q, PWI on Nanomanufacturing - Key control characteristics - Part 2-2: Carbon nanotube materials - Electro-magnetic compatibility, 10/26/2012
- 113/161/DTR, IEC/TR 62834: Nanoelectronics Standardization Roadmap, 11/16/2012
- 116/111/FDIS, IEC 60745-2-23 ed 1.0: Hand-held motor-operated electric tools - Safety - Part 2-23: Particular requirements for die grinders and small rotary tools, 11/16/2012
- 2/1679/CDV, IEC 60034-30-1 Ed.1: Rotating electrical machines - Part 30-1: Efficiency classes of single-speed, three-phase, cage-induction motors (IE-code), 01/04/2013
- 2/1685/FDIS, IEC 60034-28 Ed.2: Rotating electrical machines - Part 28: Test methods for determining quantities of equivalent circuit diagrams for three-phase low-voltage cage induction motors, 11/23/2012
- 9/1734/FDIS, IEC 60349-4 Ed.1: Electric traction - Rotating electrical machines for rail and road vehicles - Part 4: Permanent magnet synchronous electrical machines connected to an electronic converter, 11/23/2012
- 15/689/CDV, IEC 60819-3-4/Ed2: Non-cellulosic papers for electrical purposes - Part 3: Specifications for individual materials - Sheet 4: Aramid fibre paper containing not more than 50% of mica particles, 02/22/2013
- 17C/562/NP, PNW 17C-562: High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) [Intended to become IEC 62271-212 if approved], 01/04/2013
- 22E/142/NP, Safety of low-voltage switch mode power supplies, 01/04/2013
- 23B/1086/DC, IEC 60669-1: Proposal to incorporate the necessary tests for insulation-piercing terminals, 12/07/2012
- 23B/1087/DC, IEC 60884-1: Proposal to incorporate the necessary tests for insulation-piercing terminals, 12/07/2012
- 26/492/FDIS, IEC 60974-7 ed.3: Arc welding equipment - Part 7: Torches, 11/23/2012
- 32C/466/CD, IEC 60691/Ed4: Thermal-links - Requirements and application guide, 12/21/2012
- 33/517/FDIS, IEC 60143-2/Ed2: Series capacitors for power systems - Part 2: Protective equipment for series capacitor banks, 11/23/2012
- 45B/744/FDIS, IEC 602706 Ed.1: Radiation protection instrumentation - Environmental, electromagnetic and mechanical performance requirements, 11/23/2012
- 45B/746/DC, Second draft of the revision of IEC TR 62461 (2006) "Determination of uncertainty in measurement", 01/04/2013
- 55/1364/NP, Future IEC 60317-0-9/Ed1: Specifications for particular types of winding wires - Part 0-9: General requirements - Enamelled rectangular aluminium wire, 12/21/2012
- 57/1267/CDV, IEC 62325-451-1 Ed.1: Framework for energy market communications - Part 451-1: Acknowledgement business process and contextual model for CIM European market, 01/04/2013
- 57/1270/CDV, IEC 61970-301 Ed.5: Energy management system application program interface (EMS-API) - Part 301: Common Information Model (CIM) base, 01/04/2013
- 57/1284/FDIS, IEC 61850-10 Ed.2: Communication networks and systems for power utility automation - Part 10: Conformance testing, 11/23/2012

- 57/1285/DC, Draft IEC TR 61850-90-2 - Use of IEC 61850 for the communication between substations and control centres, 01/04/2013
- 65/513/DTR, IEC/TR 62837/Ed.1: Industrial-process measurement, control and automation - Energy Efficiency through Automation Systems, 11/23/2012
- 65/514/DC, Document for comments - IEC 62443 2 1(Ed.2.0), Security for industrial automation and control systems, Part 2 1: Requirements for an IACS security management system, 11/23/2012
- 65C/710/CDV, IEC 62657-2: Industrial communication networks - Wireless communication networks - Part 2: Coexistence management, 12/21/2012
- 65E/280/CDV, IEC 62714-1 Ed1: Engineering data exchange format for use in industrial automation systems engineering-AutomationML- Part 1 - architecture and general requirement, 12/21/2012
- 65E/281/NP, OPC enhancements, 12/21/2012
- 72/878/NP, IEC 60730-2-22 Ed 1.0: Automatic electrical controls for household and similar use - Part 2-22: Particular requirements thermal motor protectors, 01/04/2013
- 86A/1481/FDIS, IEC 60793-2-50/Ed4: Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres, 11/23/2012
- 86B/3478/CDV, IEC 61754-7-1/Ed1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-1: Type MPO connector family - One fibre row, 01/04/2013
- 86B/3479/CDV, IEC 61754-7-2/Ed1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-2: Type MPO connector family - Two fibre rows, 01/04/2013
- 86B/3505/FDIS, IEC 60869-1/Ed4: Fibre optic interconnecting devices and passive components - Fibre optic passive power control devices - Part 1: Generic specification, 11/23/2012
- 86B/3511/CD, IEC 61300-2-43/Ed2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-43: Tests - Screen testing of return loss of single mode PC optical fibre connectors, 12/21/2012
- 86B/3513/CD, IEC 61755-1/Ed2: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 1: Optical interfaces for single mode non-dispersion shifted fibres - General and guidance, 12/21/2012
- 86B/3515/CD, IEC 61755-2-1/Ed2: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 2-1: Connection of non-dispersion shifted single mode non-angled physically contacting fibres, 12/21/2012
- 86B/3517/CD, IEC 61755-2-2/Ed2: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 2-2: Connection of non-dispersion shifted single mode angled physically contacting fibres, 12/21/2012
- 86B/3519/CD, IEC 61755-3-1/Ed2: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 3-1: Connectors with 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrule, non-angled single mode non-dispersion shifted fibres, 12/21/2012
- 86B/3521/CD, IEC 61755-3-2/Ed2: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 3-2: Connectors with 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrule, angled single mode non-dispersion shifted fibres, 12/21/2012
- 100/2000B/CDV, EC 61883-6/Ed.2 Amd.1: Consumer audio/video equipment - Digital interface - Part 6: Audio and music data transmission protocol (TA 4) This document replaces 100/2000A/CDV, 11/09/2012
- 104/584/CDV, IEC 60721-2-9 ed.1: Classification of environmental conditions - Part 2-9: Environmental conditions appearing in nature - Defining an environmental description from measured shock and vibration data: Storage, Transportation and In-use, 01/04/2013
- 110/395/CDV, IEC 61747-10-1 Ed.1: Liquid crystal display devices Part 10-1: Mechanical test methods, 01/04/2013
- 110/416/CD, IEC 61747-20-1 Ed. 1 - Liquid crystal display devices - Part 20-1: Visual inspection - Monochrome liquid crystal display cells, 11/23/2012
- 110/417/CD, IEC 61747-20-2 Ed. 1 - Liquid crystal display devices - Part 20-2: Visual inspection - Monochrome matrix liquid crystal display modules, 11/23/2012
- 112/227/CD, IEC/TR 62836 Ed.1: Measurement of Internal Electric Field in Insulating Materials used by Pressure Wave Propagation Method, 01/04/2013
- 9/1736/CD, IEC 61133 Ed.3: Railway Applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service, 01/11/2013
- 10/894/FDIS, IEC 60422 Ed.4: Mineral insulating oils in electrical equipment - Supervision and maintenance guidance, 11/30/2012
- 20/1383/CD, IEC 60287-1-1 A1 Ed.2: Amendment 1 to IEC 60287-1-1 Ed.2: Electric cables - Calculation of the current rating - Part 1-1: Current rating equations (100% load factor) and calculation of losses - General, 01/11/2013
- 20/1385/CD, IEC 60287-2-1 A3 Ed.1: Amendment 3 to IEC 60287-2-1 Ed.1: Electric cables - Calculation of the current rating - Part 2-1: Thermal resistance - Calculation of the thermal resistance, 01/11/2013
- 21/785/PAS, ISO/IEC/PAS 16898 Ed.1: Electrically propelled road vehicles - Dimensions and designation of lithium ion cells, 11/30/2012
- 22H/151/FDIS, Amendment 1 to IEC 62040-1 Ed.1: Uninterruptible power systems (UPS) - Part 1: General and Safety requirements for UPS, 11/30/2012
- 23/616/CD, IEC/TR 61916 Ed.3: Electrical accessories - Harmonization of general rules, 01/11/2013
- 23B/1088/FDIS, Amendment 2 to IEC 60884-1 ed.3: Plugs and socket-outlets for household and similar purposes - Part 1: General requirements, 11/30/2012
- 33/510/CDV, IEC 60358-3 Ed.1.0: Coupling capacitors and capacitor dividers - Part 3: AC or DC coupling capacitors for harmonic-filters applications, 01/11/2013
- 34A/1620/CDV, Amendment 2 to IEC 62031 Ed.1: LED modules for general lighting - Safety specification, 01/11/2013
- 38/438/CDV, IEC 61869-9: Instrument Transformers - Part 9: Digital interface for instrument transformers, 01/11/2013
- 47/2152/CD, IEC 62779-1 Ed.1: Semiconductor devices - Semiconductor interface for human body communication - Part 1: General requirements, 01/04/2013
- 47/2153/CD, EC 62779-2 Ed. 1: Semiconductor devices - Semiconductor interface for human body communication - Part 2: Characterization of interfacing performances, 01/04/2013
- 57/1286/FDIS, IEC 61850-5 Ed.2: Communication networks and systems for power utility automation - Part 5: Communication requirements for functions and device models, 11/30/2012
- 62A/822/CDV, Amendment 1 to IEC 60601-1-9: Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design, 01/11/2013
- 62A/826/CDV, Amendment 1 to IEC 62366: Medical devices - Application of usability engineering to medical devices, 01/11/2013
- 62A/827/CDV, Amendment 1 to IEC 60601-1-10: Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers, 01/11/2013
- 62B/896/CDV, Amendment 1 to IEC 60601-2-37: Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment, 01/11/2013

- 65/515/FDIS, IEC 61010-2-201 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -201: Particular requirements for control equipment, excluding functional safety, in the scope of industrial-process measurement, control and automation, 11/30/2012
- 80/674/CDV, IEC 62388 Ed.2: Maritime navigation and radiocommunication equipment and systems - Shipborne radar - Performance requirements, methods of testing and required test results, 01/11/2013
- 105/429/CD, IEC 62282-7-2 TS Ed.1: Fuel cell technologies - Part 7-2: Single cell/stack performance test methods for solid oxide fuel cells (SOFC), 11/30/2012
- 110/419/CD, IEC 62679-1-1 Ed.1: Electronic paper displays - Part 1-1: Terminology, 11/30/2012
- 116/98/CDV, IEC 6xxxx-1 Ed.1.0: Electric Motor-Operated Hand-Held, Transportable Tools and Lawn and Garden Machinery - Safety - Part 1: General requirements, 01/11/2013
- 9/1739/CD, IEC 61992-1 A1 Ed.2: Amendment to IEC 61992-1 Ed.2: Railway Applications - Fixed installations - DC switchgear - Part 1: General, 01/11/2013
- 9/1740/CD, IEC 61992-2 A1 Ed.2: Amendment 1 to IEC 61992-2 Ed.2: Railway Applications - Fixed installations - DC switchgear - Part 2: DC circuit breakers, 01/11/2013
- 9/1741/CD, IEC 62279 Ed.2: Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems, 01/11/2013
- 10/892/CDV, IEC 62021-3 Ed.1: Insulating liquids - Determination of acidity - Part 3: Test methods for non-mineral insulating oils, 01/11/2013
- 17C/566/CDV, IEC 62271-211 Ed.1: High-voltage switchgear and controlgear - Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 01/11/2013
- 20/1388/CD, IEC 60702-1 A1 Ed.3: Amendment to IEC 60702-1 Ed.3: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 1: Cables, 01/11/2013
- 20/1390/CD, IEC 60702-2 A1 Ed.2: Amendment to IEC 60702-2 Ed.2: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 2: Terminations, 01/11/2013
- 20/1391/NP, Future IEC 60702-3 Ed.1: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 3: Guide to use, 01/11/2013
- 23E/757A/CD, IEC 62752 ed.1: In-Cable Residual Current Device for mode 2 charging of electric road vehicles (IC-RCD), 11/16/2012
- 26/494/FDIS, IEC 60974-2 Ed.3: Arc welding equipment - Part 2: Liquid cooling systems, 12/07/2012
- 31/1005/CDV, IEC 60079-5/Ed4: Explosive atmospheres - Part 5: Equipment protection by powder filling "q", 01/11/2013
- 34A/1622/NP, PNW 34A-1622: Principal Component Reliability Testing for LED-based Products, 01/11/2013
- 34A/1624/CD, IEC 60968 Ed.3: Self-ballasted fluorescent lamps for general lighting services - Safety requirements, 01/11/2013
- 44/679/CD, IEC 62046 Ed 1: Safety of machinery - Application of protective equipment to detect the presence of persons, 01/11/2013
- 45B/741/CDV, IEC 60860 Ed.2: Radiation protection instrumentation - Warning equipment for criticality accidents, 01/11/2013
- 47D/829/FDIS, IEC 60191-6-5 Ed.2: Mechanical standardization of semiconductor devices - Part 6-5: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for fine-pitch ball grid array (FBGA), 12/07/2012
- 49/1009/FDIS, IEC 60679-3 Ed.3: Quartz crystal controlled oscillators of assessed quality - Part 3: Standard outlines and lead connections, 12/07/2012
- 70/122/CDV, Amendment 2 to IEC 60529 Ed. 2.0: Degrees of protection provided by enclosures (IP Code) - Proposal on IPX9 "High pressure water test", 01/11/2013
- 89/1123/CDV, IEC 60695-1-40 Ed 1.0: Fire hazard testing - Part 1-40: Guidance for assessing the fire hazard of electrotechnical products - Insulating liquids, 01/11/2013
- 89/1128/CDV, IEC 60695-10-2 Ed 3.0: Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test, 01/11/2013
- 89/1129/CDV, IEC 60695-2-11 Ed 2.0: Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products, 01/11/2013
- 100/2067/NP, IEC 60728-101 Cable networks for television signals, sound signals and interactive services - System performance for forward path with all digital channels load, 01/11/2013
- 116/98A/CDV, IEC 62841-1/Ed1: Electric Motor-Operated Hand-Held, Transportable Tools and Lawn and Garden Machinery - Safety - Part 1: General requirements, 01/11/2013
- 116/102/CDV, IEC 62841-2-2 Ed. 1.0: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches, 01/11/2013
- 116/104/CDV, IEC 62841-2-4 Ed. 1.0: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type, 01/11/2013
- 116/106A/CDV, IEC 62841-3-1/Ed1: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1: Particular requirements for transportable table saws, 01/11/2013
- 116/108A/CDV, IEC 62841-3-6/Ed1: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system, 01/11/2013

## IEC Technical Specifications

- 44/677/DTS, IEC/TS 61496-4-2 Ed.1. Safety of machinery - Electro-sensitive protective equipment - Part 4-2: Particular requirements for equipment using vision based protective devices (VBPD) - Additional requirements when using reference pattern techniques, 12/14/2012
- 101/374/DTS, IEC/TS 61340-4-2 Ed.1: Electrostatics - Part 4-2: Standard test methods for specific applications - Test methods for evaluating the electrostatic properties of garments, 01/04/2013



# Newly Published ISO Standards

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

## IMPLANTS FOR SURGERY (TC 150)

ISO 13175-3:2012, Implants for surgery - Calcium phosphates - Part 3: Hydroxyapatite and beta-tricalcium phosphate bone substitutes, \$80.00

## LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)

ISO 6556:2012, Laboratory glassware - Filter flasks, \$65.00

## LIFTS, ESCALATORS, PASSENGER CONVEYORS (TC 178)

ISO 18738-1:2012, Measurement of ride quality - Part 1: Lifts (elevators), \$92.00

ISO 18738-2:2012, Measurement of ride quality - Part 2: Escalators and moving walks, \$86.00

ISO 25745-1:2012, Energy performance of lifts, escalators and moving walks - Part 1: Energy measurement and verification, \$86.00

## NUCLEAR ENERGY (TC 85)

ISO/ASTM 51276:2012, Practice for use of a polymethylmethacrylate dosimetry system, \$49.00

## OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 9334:2012, Optics and photonics - Optical transfer function - Definitions and mathematical relationships, \$129.00

ISO 9335:2012, Optics and photonics - Optical transfer function - Principles and procedures of measurement, \$110.00

## PACKAGING (TC 122)

ISO 3676:2012, Packaging - Complete, filled transport packages and unit loads - Unit load dimensions, \$49.00

## PAINTS AND VARNISHES (TC 35)

ISO 15184:2012, Paints and varnishes - Determination of film hardness by pencil test, \$57.00

## PLAIN BEARINGS (TC 123)

ISO 4384-1:2012, Plain bearings - Hardness testing of bearing metals - Part 1: Multilayer bearings materials, \$37.00

ISO 7148-1:2012, Plain bearings - Testing of the tribological behaviour of bearing materials - Part 1: Testing of bearing metals, \$73.00

ISO 7148-2:2012, Plain bearings - Testing of the tribological behaviour of bearing materials - Part 2: Testing of polymer-based bearing materials, \$110.00

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

ISO 12176-1:2012, Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 1: Butt fusion, \$98.00

## PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 251:2012, Conveyor belts with textile carcass - Widths and lengths, \$43.00

## ROAD TRAFFIC SAFETY MANAGEMENT SYSTEMS (TC 241)

ISO 39001:2012, Road traffic safety (RTS) management systems - Requirements with guidance for use, \$135.00

## ROAD VEHICLES (TC 22)

ISO 4164:2012, Mopeds - Engine test code - Net power, \$98.00

ISO 16121-1:2012, Road vehicles - Ergonomic requirements for the drivers workplace in line-service buses - Part 1: General description, basic requirements, \$80.00

## RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 8013:2012, Rubber, vulcanized - Determination of creep in compression or shear, \$92.00

ISO 12492:2012, Rubber, raw - Determination of water content by Karl Fischer method, \$57.00

## SAFETY OF MACHINERY (TC 199)

ISO 13849-2:2012, Safety of machinery - Safety-related parts of control systems - Part 2: Validation, \$180.00

## SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 3730:2012, Shipbuilding and marine structures - Mooring winches, \$73.00

ISO 16145-1:2012, Ships and marine technology - Protective coatings and inspection method - Part 1: Dedicated sea water ballast tanks, \$135.00

ISO 16145-2:2012, Ships and marine technology - Protective coatings and inspection method - Part 2: Void spaces of bulk carriers and oil tankers, \$135.00

ISO 16145-3:2012, Ships and marine technology - Protective coatings and inspection method - Part 3: Cargo oil tanks of crude oil tankers, \$135.00

## SMALL CRAFT (TC 188)

ISO 13297:2012, Small craft - Electrical systems - Alternating current installations, \$116.00

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

ISO 10542-1:2012, Technical systems and aids for disabled or handicapped persons - Wheelchair tiedown and occupant-restraint systems - Part 1: Requirements and test methods for all systems, \$167.00

ISO 7176-28:2012, Wheelchairs - Part 28: Requirements and test methods for stair-climbing devices, \$193.00

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

ISO 8536-12/Amd1:2012, Infusion equipment for medical use - Part 12: Check valves - Amendment 1, \$16.00

**ISO Technical Reports****AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/TR 11225:2012, Space environment (natural and artificial) - Guide to reference and standard atmosphere models, \$206.00

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

ISO/TR 27165:2012, Thermoplastics piping systems - Guidance for definitions of wall constructions for pipes, \$43.00

**ISO Technical Specifications****GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)**

ISO/TS 19158:2012, Geographic information - Quality assurance of data supply, \$104.00

**NANOTECHNOLOGIES (TC 229)**

IEC/TS 62622:2012, Artificial gratings used in nanotechnology - Description and measurement of dimensional quality parameters, \$180.00

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

ISO/TS 16479:2012, Thermoplastics pipes for the conveyance of fluids - Determination of the slow cracking resistance of pipes and fittings using the Notched Ring Test (NRT), \$104.00

**TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

ISO/TS 17444-1:2012, Electronic fee collection - Charging performance - Part 1: Metrics, \$110.00

ISO/TS 18234-8:2012, Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 1 (TPEG1) binary data format - Part 8: Congestion and Travel Time application (TPEG1-CTT), \$98.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC 14651/Amd1:2012, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering - Amendment 1, \$16.00

ISO/IEC 19794-2/Cor1:2009, Information technology - Biometric data interchange formats - Part 2: Finger minutiae data - Corrigendum, FREE

ISO/IEC 19794-2/Amd1:2010, Information technology - Biometric data interchange formats - Part 2: Finger minutiae data - Amendment 1: Detailed description of finger minutiae location, direction, and type, \$104.00

ISO/IEC 19794-4/Cor1:2011, Information technology - Biometric data interchange formats - Part 4: Finger image data - Corrigendum, FREE

ISO/IEC 19794-5/Amd1:2007, Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 1: Conditions for taking photographs for face image data, \$122.00

ISO/IEC 19794-5/Cor1:2008, Information technology - Biometric data interchange formats - Part 5: Face image data - Corrigendum, FREE

ISO/IEC 19794-5/Cor2:2008, Information technology - Biometric data interchange formats - Part 5: Face image data - Corrigendum 2, FREE

ISO/IEC 19794-5/Amd2:2009, Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 2: Three-dimensional face image data interchange format, \$129.00

ISO/IEC 19794-8/Cor1:2011, Information technology - Biometric data interchange formats - Part 8: Finger pattern skeletal data - Corrigendum, FREE

ISO/IEC 11693-1:2012, Identification cards - Optical memory cards - Part 1: General characteristics, \$43.00



# 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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## American National Standards

### INCITS Executive Board

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

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

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or [jgarner@itic.org](mailto:jgarner@itic.org). Visit [www.INCITS.org](http://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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accreditation Program for Greenhouse Gas Verification/Validation Bodies

### Reaccreditation

#### Scientific Certification Systems, Inc. dba SCS Global Services

##### Comment Deadline: November 12, 2012

In accordance with the following ISO standard:

ISO 14065:2007, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

#### Scientific Certification Systems, Inc. dba SCS Global Services

2000 Powell Street, Suite 600  
Emeryville, CA 94608

On October 10, 2012, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve reaccreditation for Scientific Certification Systems, Inc. for the following:

*Verification of assertions related to GHG emission reductions & removals at the project level*

- 03. Land Use and Forestry
- 06. Waste Handling and Disposal

*Validation of assertions related to GHG emission reductions & removals at the project level*

- 03. Land Use and Forestry

*Verification of assertions related to GHG emission reductions & removals at the organizational level*

- 01. General
- 10. Agriculture, Forestry and Other Land Use (AFOLU)

Please send your comments by November 12, 2012 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [abowles@ansi.org](mailto:abowles@ansi.org).

## Meeting Notice

### Z21/83 Technical Committee on Standards for Performance and Installation of Gas Burning Appliance and Related Accessories

The Z21/83 Technical Committee on Standards for Performance and Installation of Gas Burning Appliance and Related Accessories will meet on Tuesday, November 27, 2012 (9:00 am – 4:30 pm) at CSA Group, 8501 East Pleasant Valley Road, Cleveland, OH 44131. Meeting information may be requested in writing from Shannon Corcoran, Project Manager, [Shannon.corcoran@csagroup.org](mailto:Shannon.corcoran@csagroup.org).

# Information Concerning

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

#### **ISO/TC 28/SC 2 – *Dynamic petroleum measurement*** **ISO/TC 193/SC 3 – *Upstream area***

ANSI has delegated the responsibility for the administration of the secretariats for ISO/TC 28/SC 2 (Dynamic petroleum measurement) and ISO/TC 193/SC 3 – (Upstream area) to American Petroleum Institute (API). API has advised ANSI of its intent to relinquish its role as delegated secretariat for both of the aforementioned ISO committees.

ISO/TC 28/SC 2 operates under the following scope:

Standardization of terminology, classification, specifications, methods of sampling, measurement, analysis and testing for:

- Petroleum;
- Petroleum products;
- Petroleum based lubricants and hydraulic fluids;
- Non-petroleum based liquid fuels;
- Non-petroleum based lubricants and hydraulic fluids.

ISO/TC 193/SC 3 operates under the following scope:

Standardization of terminology, quality specifications, methods of measurement, sampling, analysis and test for natural gas and natural gas substitutes (gaseous fuel), in all its facets from production to delivery to all possible end users across national boundaries.

ANSI is seeking organizations in the U.S. that may be interested in assuming the delegated responsibility for the administration of the secretariats for ISO/TC 28/SC 2 and/or ISO/TC 193/SC 3.

Additionally, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accept a secretariat shall demonstrate that 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, and:

- 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.

Organizations seeking information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at [isot@ansi.org](mailto:isot@ansi.org). If there is no support for retaining the ISO/TC 28/SC 2 secretariat and/or the ISO/TC 193/SC 3 secretariat in the United States, then ANSI will so advise the ISO Central Secretariat.

**[Note to Reviewers: The following are proposed changes to the draft BSR/ASA S3.36-201x, which was opened for public comment July 6, 2012. These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions).**

## **8.2 Insertion loss measurement of hearing protectors**

~~Note that although basic insertion loss testing of hearing protection devices can be performed using the device described in this standard, users of the manikin for this application~~ For insertion loss testing of hearing protection devices, users are referred to ANSI/ASA S12.42 for specific additional test fixture requirements. In particular, note the modifications in ANSI/ASA S12.42 to the specifications for the ear canal extension, flesh simulation, ear canal temperature requirements, as well as the ~~use of a ¼ inch microphone in the~~ ear simulator microphone and preamplifier sensitivity and dynamic range requirements for this application.

BSR/ASHRAE/IES/USGBC Addendum  
p to ANSI/ASHRAE/USGBC/IES  
Standard 189.1-2011

# Public Review Draft

## Proposed Addendum p to Standard 189.1-2011 Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review (September 2012) (Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE web site at <http://www.ashrae.org/standards-research-technology/public-review-drafts> and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE web site) remains in effect.

The current edition of any standard may be purchased from the ASHRAE Bookstore @ <http://www.ashrae.org> or by calling 404-636-8400 or 1-800-527-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE web site @ <http://www.ashrae.org>.

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

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AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC. 1791 Tullie Circle, NE  
Atlanta GA 30329-2305



**Illuminating**  
ENGINEERING SOCIETY

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

## **FOREWORD**

*The purpose of this addendum is for the removal of the “Acceptance Testing” provision (Section 10.3.1.1) from ASHRAE Standard 189.1. The section as it currently stands indicates that when a building size is less than 5,000 square feet it is therefore a “simple” building, and thus requires a reduced level of commissioning effort, referred to as Acceptance Testing. However, building size does not relate to complexity as many buildings less than 5,000 square feet can be complex. This DA proposes that Building Commissioning per Section 10.3.1.2 becomes mandatory for all buildings that are designed and built under the requirements of ASHRAE 189.1.*

*Commissioning is a robust and well supported discipline with established guidelines (ASHRAE and others), a long history of use, and with many practitioners. Furthermore, the Commissioning Process is one that adapts to the specific attributes of a given building. A “simple” building would only require “simple” Commissioning. Furthermore, it does not appear that “Acceptance Testing” is a universally defined activity nor does there appear to be specific instructions or guidelines within the industry detailing how this activity is formally completed. Also, a review of the mandatory requirements of 189.1 could be interpreted as producing a [relatively] complex building (i.e. consumption measurement, on-site renewable energy, daylighting control, outdoor air delivery monitoring, economizers, condensate recovery, etc.)*

*Finally, under the current “Acceptance Testing” section, ASHRAE Standard 189.1 would not meet the minimum commissioning requirement (prerequisite) of the LEED Rating System which requires all buildings to undergo the commissioning process. The following addendum references several sections of ASHRAE 189.1 Chapter 10 associated with this proposal.*

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

## Addendum p to 189.1-2011

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Modify Section 10.1 as follows:

**10.1 Scope.** This section specifies requirements for construction and plans for operation, including the *commissioning process*, ~~building acceptance testing~~, measurement and *verification*, energy use reporting, durability, transportation management, erosion and sediment control, construction, and indoor air quality during construction.

Modify Section 10.3.1.1 as follows (remove in its entirety):

~~10.3.1.1 **Building Acceptance Testing.** Acceptance testing shall be performed on all buildings in accordance with this section using *generally accepted engineering standards and handbooks acceptable to the AHJ*.~~

~~An acceptance testing process shall be incorporated into the design and construction of the *building project* that verifies systems specified in this section perform in accordance with construction documents.~~

~~10.3.1.1.1 **Activities Prior to Building Permit.** Complete the following:~~

- ~~a. Designate a project *Acceptance Representative* to lead, review, and oversee completion of acceptance testing activities.~~
- ~~b. Construction documents shall indicate who is to perform acceptance tests and the details of the tests to be performed.~~
- ~~c. *Acceptance representative* shall review construction documents to verify relevant sensor locations, devices, and control sequences are properly documented.~~

~~10.3.1.1.2 **Activities Prior to Building Occupancy.** Complete the following:~~

- ~~a. Verify proper installation and start up of the systems.~~
- ~~b. Perform acceptance tests. For each acceptance test, complete test form and include a signature and license number, as appropriate, for the party who has performed the test.~~
- ~~c. Verify a system manual has been prepared that includes O&M documentation and full warranty information, and provides operating staff the information needed to understand and optimally operate building systems.~~

~~10.3.1.1.3 **Systems.** The following systems, if included in the *building project*, shall have acceptance testing:~~

- ~~a. Mechanical systems: heating, ventilating, air conditioning, IAQ, and refrigeration systems (mechanical and/or passive) and associated controls.~~
- ~~b. Lighting systems: automatic daylighting controls, manual daylighting controls, occupancy sensing devices, and, automatic shut off controls~~
- ~~c. Fenestration Control Systems: Automatic controls for shading devices and dynamic glazing.~~
- ~~d. Renewable energy systems.~~



BSR/ASHRAE/USGBC/IES Addendum p to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings  
First Public Review Draft.

- ~~e. Water measurement devices, as required in Section 6.3.3.~~
- ~~f. Energy measurement devices, as required in Section 7.3.3.~~

~~10.3.1.1.4 **Documentation.** The owner shall retain completed acceptance test forms.~~

Modify Section 10.3.1.2 as follows:

~~**10.3.1.2 10.3.1.1 Building Project Commissioning.** For buildings that exceed 5000 ft<sup>2</sup> (500 m<sup>2</sup>) of gross floor area, ~~c~~Commissioning shall be performed in accordance with this section using *generally accepted engineering standards* and handbooks acceptable to the AHJ. ~~Buildings undergoing the commissioning process will be deemed to comply with the requirements of Section 10.3.1.1, “Building Acceptance Testing.”~~~~

Modify Section 10.3.2.1.2.1 as follows:

**10.3.2.1.2.1 Initial Measurement and Verification.** Use the water measurement devices and collection/storage infrastructure specified in Section 6.3.3 to collect and store water use data for each device, starting no later than after building ~~acceptance testing~~ commissioning has been completed and certificate of occupancy has been issued.

Modify Section 10.3.2.1.3.1 as follows:

**10.3.2.1.3.1 Initial Measurement and Verification.** Use the energy measurement devices and collection/storage infrastructure specified in Section 7.3.3 to collect and store energy data for each device, starting no later than after ~~acceptance testing~~ commissioning has been completed and certificate of occupancy has been issued.

Modify Section 3.2 (Definitions) as follows:

### 3.2 Definitions

~~**acceptance representative:** An entity identified by the owner who leads, plans, schedules, and coordinates the activities needed to implement the building acceptance testing activities. The acceptance representative may be a qualified employee or consultant of the owner. The individual serving as the acceptance representative shall be independent of the project design and construction management, though this individual may be an employee of a firms providing those services.~~

+++++

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## NSF/ANSI International Standard for Biosafety Cabinetry —

### Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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#### 5.22 Filters

- HEPA or ULPA filters shall be required for the downflow and exhaust air systems.
- HEPA and ULPA filters for downflow and exhaust systems shall conform to the materials, construction, and aerosol efficiency requirements of IEST-RP-CC-001.4 for type C, type J, type K, or type F filters. Filter media shall be tested in accordance with the methods of IEST-RP-CC021 with performance levels to meet the minimum efficiency requirements as specified above and the pressure drop requirements as required by the specific application. In addition, HEPA and ULPA filters shall be scan tested for a leakage not to exceed 0.01% when tested in accordance with Annex A, section A.2.

The cabinet shall be designed to provide accessibility for filter installation, testing, and sealing.

- HEPA and ULPA filters shall be mounted to prevent air bypass of the filters. When required, one or more 0.4 in (1 cm) IPS threaded plugged penetrations shall be located in the plenum upstream of the HEPA or ULPA filters and accessible from under the work surface the front of the cabinet. This hose should be capped and labeled. The label shall include the purpose of the penetration (upstream aerosol sampling). These penetrations are used to measure the aerosol concentration upstream of the HEPA and ULPA filters during the HEPA or ULPA filter leak test (see 6.3). When the penetration enters a potentially contaminated space, it shall be labeled "Decontaminate Cabinet Before Opening."
- Cabinets exhausting into the room shall be provided with a perforated exhaust filter guard (see figure 9) to prevent damage to the filter and blockage of exhaust air.

NOTE – An additional airflow sensor may be provided to indicate blockage of exhaust air.

- HEPA and ULPA filter patches shall not exceed 3% of the total face area of the side being patched. The maximum width of any one patch shall not exceed 1.5 in (4.0 cm).

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#### 5.25.3 Type B exhaust alarm

Type B cabinets shall be exhausted by a remote fan. Once the cabinet is set or certified in its acceptable airflow range, audible and visual alarms shall be required to indicate a 20% loss of exhaust volume within 15 sec. The internal cabinet fan(s) shall be interlocked to shut off at the same time the alarms are activated. Type B cabinets shall not initiate cabinet blower startup until sensors determine appropriate

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exhaust flow.

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### **6.17 Air velocity stability**

Air velocity stability shall be determined with the cabinet operating at the nominal set point velocities  $\pm 3$  fpm (0.015 m/s).

6.17.1 When the cabinet is subjected to a 1.0 cm free fall drop on each side, the cabinet inflow velocity and downflow velocity (where applicable) shall not change by more than 5 fpm (0.025 m/s). There shall be no visible damage to the cabinet following the shock.

6.17.2 When the supply voltage to the cabinet is reduced or increased by 10 percent, the cabinet inflow velocity and downflow velocity (where applicable) shall not change by more than 5 fpm (0.025 m/s).

6.17.3 When the cabinet has been disconnected from power for a minimum of 1 hour, the cabinet inflow velocity and downflow velocity (where applicable) shall not change by more than 3 fpm (0.015 m/s) when power is restored. The cabinet shall come on in the same state it was in when power was lost (lights on, blower on, alarm parameters set, etc.) when power is restored. The cabinet shall provide the user with a visual indication that there was a power loss.

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### **A.13 Cabinet airflow stability**

#### **A.13.1 Purpose**

This test demonstrates the ability of the cabinet to maintain proper airflow following cabinet physical shock, during line voltage fluctuations, and following loss of power to the cabinet.

#### **A.13.2 Apparatus**

- Instrumentation required in Annex A, sections A.9 and A.10 shall be used.
- A power source capable of being adjusted between 90 and 253 AC volts 50 and 60 Hz.
- A voltage meter with a minimum range of 0 – 300 AC volts and accurate to 0.1 volt.

#### **A.13.3 Method**

##### **A.13.3.1 Shock stability**

- a) Measure the inflow velocity for type A1, A2, and B2 cabinets. Measure a minimum of 6 points on the downflow velocity grid for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers. Location of downflow velocity points shall be at least one column in from the sides and include at least 2 points in each row. One point in each row shall be to the left of the cabinet center line and one point shall be to the right of the cabinet center line. The average of those points shall be considered representative of the downflow velocity and used to determine compliance with the requirements of this test.

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- b) Lift one side of the cabinet off the floor 1 cm and then drop it. Repeat this on the opposite side of the cabinet. The cabinet shall be installed on the stand (if provided) during this test.
- c) Repeat the inflow velocity measurement for type A1, A2, and B2 cabinets. Repeat the downflow velocity measurement for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers at the same points used for the initial measurement. The same instruments used to make the initial velocity and airflow measurements shall be used to make the repeat measurements. The repeat air measurements shall be completed on the work day as the initial measurements.

#### A.13.3.2 Input voltage stability

- a) Measure the inflow velocity for type A1, A2, and B2 cabinets. Measure a minimum of 6 points on the downflow velocity grid for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers. Location of downflow velocity points shall be at least one column in from the sides and include at least 2 points in each row. One point in each row shall be to the left of the cabinet center line and one point shall be to the right of the cabinet center line. The average of those points shall be considered representative of the downflow velocity and used to determine compliance with the requirements of this test.
- b) Increase the supply voltage by 10 percent +/- 0.2 volts from the line voltage measured during the as-set airflow measurement.
- c) Repeat the inflow velocity measurement for type A1, A2, and B2 cabinets. Repeat the downflow velocity measurement for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers at the same points used for the initial measurement.
- d) Decrease the supply voltage by 10 percent +/- 0.2 volts from the line voltage measured during the as-set airflow measurement.
- e) Repeat the inflow velocity measurement for type A1, A2, and B2 cabinets. Repeat the downflow velocity measurement for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers at the same points used for the initial measurement. The same instruments used to make the initial velocity and airflow measurements shall be used to make the repeat measurements. The repeat air measurements shall be completed on the work day as the initial measurements.

#### A.13.3.3 Power failure stability

- a) This test shall be completed only after the motor speed has been adjusted and set at least once. The cabinet blower shall be running and the lights shall be on when power is disconnected. Alarm parameters shall be set and recorded at the time the power is disconnected.
- b) Measure the inflow velocity for type A1, A2, and B2 cabinets. Measure a minimum of 6 points on the downflow velocity grid for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers. Location of downflow velocity points shall be at least one column in from the sides and include at least 2 points in each row. One point in each row shall be to the left of the cabinet center line and one point shall be to the right of the cabinet center line. The average of those points shall be considered representative of the downflow velocity and used to determine compliance with the requirements of this test.
- c) Disconnect power to the cabinet for a minimum of 1 hour.

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- d) Repeat the inflow velocity measurement for type A1, A2, and B2 cabinets. Repeat the downflow velocity measurement for type B1 and B2 cabinets and for type A1 and A2 cabinets with separate downflow and exhaust blowers at the same points used for the initial measurement. The same instruments used to make the initial velocity and airflow measurements shall be used to make the repeat measurements. The repeat air measurements shall be completed on the work day as the initial measurements.

#### **A.13.4 Acceptance**

##### **A.13.4.1 Shock stability**

The difference between the initial inflow velocity and the final inflow velocity shall not exceed 5 fpm (0.025 m/s). The difference between the initial downflow velocity and the final downflow velocity shall not exceed 5 fpm (0.025 m/s). There shall be no visible damage observed to the cabinet following the test.

##### **A.13.4.2 Input voltage stability**

The difference between the initial inflow velocity and the inflow velocity measured at both the increased and decreased supply voltage shall not exceed 5 fpm (0.025 m/s). The difference between the initial downflow velocity and the downflow velocity measured at both the increased and decreased supply voltage shall not exceed 5 fpm (0.025 m/s).

##### **A.13.4.3 Power failure stability**

The difference between the initial inflow velocity and the final inflow velocity shall not exceed 3 fpm (0.015 m/s). The difference between the initial downflow velocity and the final downflow velocity shall not exceed 3 fpm (0.015 m/s). The cabinet shall come back on in the same state it was in (blower and lights on) when power was lost. Alarm parameters shall remain unchanged from the set points prior to power loss. The cabinet shall provide the user with a visual indication that there was a loss of power.

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## 2014 ANSI/RVIA 12V Code Change Proposals

### 1 – Title

Change the ANSI designation of this standard to read: ANSI/RVIA ~~12V~~ LV

ANSI/RVIA ~~12V~~ LV

An American National Standard

November 18, 2010

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### 1-1 Introduction

Add the following language as shown right under the title 1-1 Introduction:

NOTICE: An asterisk(\*) following the number designation of the paragraph indicating that explanatory material on the paragraph can be found in Appendix 1, 2 and (proposed)3 (See log #9).

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### 1-2 Not Covered

Add the following as shown:

Add an asterisk(\*) following the number designation of the paragraph indicating that explanatory material on the paragraph can be found in Appendix 1, 2 and (proposed)3 (See log #9).

**1-2\*Not Covered.** This standard does not cover low-voltage circuits used for signaling purposes only, other low-voltage circuits with a connected load of less than one ampere, those portions of low voltage circuits covered by CFR 49 400-999, and circuits for items listed in Appendix 1.

---

### 1-7 Definitions

Revise the definition of Low Voltage to read as follows:

**Low Voltage (LV):** An electromotive force rated 24 volts, nominal or less, root mean square, supplied from a transformer, converter or battery.

---

### 1-7 Definitions

Delete the following definitions in 1-7 and replace with revised definitions in a New Appendix 3.

~~Camping Trailer: A vehicular portable unit mounted on wheels and constructed with collapsible partial side walls that fold for towing by another vehicle and unfold at the campsite to provide temporary living quarters for recreational camping, or travel use.~~

~~Fifth Wheel Trailer. A. vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use, of such size or weight as not to require special highway movement permit(s), of gross trailer area not to exceed 400 ft<sup>2</sup> (37.2 m<sup>2</sup>) in the setup mode, and designed to be towed by a motorized vehicle that contains a towing mechanism that is mounted above or forward of the tow vehicle's rear axle. (See Recreational Vehicle.)~~

~~Motor Home. A vehicular unit designed to provide temporary living quarters for recreational, camping, or travel use, built on or attached to a self-propelled motor vehicle chassis or on a chassis cab or van that is an integral part of the completed vehicle. (See Recreational Vehicle.)~~

~~Travel Trailer: A vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use, of such size or weight as not to require special highway movement permits when towed by a motorized vehicle, and of gross trailer area less than 320 ft<sup>2</sup> (29.7 m<sup>2</sup>). (See Recreational Vehicle.)~~

~~Truck Camper. A portable unit that is constructed to provide temporary living quarters for recreational, travel, or camping use; consisting of a roof, floor, and sides; and is designed to be loaded onto and unloaded from the bed of a pickup truck. (See Recreational Vehicle.)~~

## 1-7 Definitions

Add an asterisk (\*) to refer to new Appendix 3 and change the definition of “Recreational Vehicle” as shown:

**Recreational Vehicle (RV)\*:** A vehicular type unit that is primarily designed as temporary living quarters for recreational, camping or travel seasonal use; which either has its own motive power or is mounted on or drawn towed by another vehicle; is regulated by the National Highway Traffic Safety Administration as a vehicle or vehicle equipment; does not require a special highway use permit for operation on the highways; and be easily transported and set up on a daily basis by an individual. The basic entities are travel trailer, camping trailer, truck camper, and motor home. See (proposed) Appendix 3 for specific product types and definitions.

## Appendix 3 (New)

Add definitions to a New proposed Appendix 3 as shown:

### \*Appendix 3 Recreational Vehicle (RV)

The following explanatory material further describes types of Recreational Vehicles as defined in Section 1-7

The product types are motorhome and towable RV.

Motorhome. A recreational vehicle built on a self-propelled motor vehicle chassis. The product-type categories are as follows:

- (1) Type A Motorhome. A motorhome constructed on a bare motor vehicle chassis.
- (2) Type B Motorhome. A motorhome constructed on an automotive-manufactured van-type vehicle.
- (3) Type C Motorhome. A motorhome constructed on a cut-away automotive-manufactured truck vehicle.

Towable RV. A recreational vehicle that is mounted on wheels and designed to be towed by a motorized vehicle or a portable unit that is designed to be placed in the bed of a pickup truck. The product-type categories are as follows:

- (1) Fifth-Wheel Travel Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle by means of a towing mechanism that is mounted above or forward of the tow vehicle's rear axle.
- (2) Folding Camping Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle that is constructed with a collapsible roof and collapsible partial sidewalls that unfold and extend in the set-up mode and fold back up for travel.
- (3) Travel Trailer. A towable RV mounted on wheels and designed to be towed by a motorized vehicle that is constructed with a roof and sidewalls made of rigid materials.
- (4) Truck Camper. A towable RV that is designed to be placed in the bed of a pickup truck.

Additional motorhome and towable RV products include the following:

- (1) Expandable Travel Trailer. A travel trailer constructed of at least one collapsible partial sidewall that unfolds for additional sleeping space in the set-up mode and folds back up for travel.
- (2) Horse (Livestock) RV. A motorhome or towable RV that contains a designated area for transporting horses (or other livestock).
- (3) Sport Utility RV. A motorhome or towable RV that has an entrance door wider than 36 in. (0.91 m) accessible by means of an access ramp or is promoted as having the ability to transport or store internal combustion engine vehicles or equipment.

## 5-2 Conductor Routing

Change the language as shown:

**5-2 Conductor Routing** Direct-current circuits shall be physically separated by at least a ½ in. (12.7 mm) gap or other approved means from 120/240 volt circuits. Acceptable methods shall be by clamping, routing, or equivalent means that ensure permanent total separation. ~~Where circuits of different power sources cross, the~~ The external jacket of the 120/240 volt circuit nonmetallic-sheathed cables and 120/240 volt circuit flexible cords shall be deemed permitted as adequate separation.

### 7-3.1.2(New)

Add new section as follows:

7-3.1.2 Light fixtures requiring listing under 7-3.1 shall not be installed with the lens or the bulb within 18" directly above a mattress unless permitted by the listing or direct contact shielding is provided.



# Standard for Commercial Refrigerators and Freezers, UL 471

## PROPOSAL

For your convenience in review, proposed additions to the previously proposed requirements dated August 17, 2012, are shown underlined

### 3 Glossary

3.34 LABORATORY REFRIGERATOR OR FREEZER – A refrigerator or freezer for use in a building, space, room or group of rooms intended for medical storage or to serve activities involving procedures for investigation, diagnosis, or treatment, but not intended for the storage or display of food products meant for consumption.

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**BSR/UL 676, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes****1. Proposal to waive the electric shock test for certain luminaire constructions****36 Pool Occupant Impact Test****36A Pool Cleaning Tool Impact Test**

36A.1 Three samples of the lens are to be subjected to a single 20 Nm (15 ft-lb) impact as described in 36A.2. There shall be no breaking or cracking of the lens, or any damage to the lens support structure, as a result of the impact.

36A.2 The luminaire under test shall be rigidly installed in a manner that is representative of the anticipated field installation. The impact shall be imparted by a 50.8 mm (2 inch) diameter, 0.54 kg (1.18 lb) steel ball dropped from a height of 3.87 m (12 feet, 8.5 inches) to strike the center of the lens.

37.1.1 A luminaire shall be investigated with regard to the risk of electric shock with:

- a) Its lens broken;
- b) A ground on either side of an isolated supply; and
- c) The swimmer in contact with the luminaire.

The results are in compliance when the luminaire does not introduce a current density (D) greater than 30 microamperes per square centimeter.

*Exception No. 1: For a luminaire intended to be connected directly to a grounded supply, the current density (D) may be 60 microamperes per square centimeter with the polarity of the luminaire leads reversed.*

*Exception No. 2: A fully sealed luminaire with no gaskets and no user serviceable parts, marked in accordance with 40.13, and that complies with the Water Leakage Test, Section 31, and the Pool Cleaning Tool Impact Test, Section 36A, need not be subject to the Electric Shock Test, Section 37.*

40.3 Each luminaire shall be marked with the manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified, and also with the following:

- a) A catalog number, type designation, or the equivalent;
- b) The type and maximum wattage of the lamp (or lamps, or other user replaceable light sources) for which the luminaire is intended;
- c) The voltage rating; and
- d) "Fresh water," "Sea water," "Sea or fresh water" or equivalent.

*Exception: A luminaire marked in accordance with 40.13 need not be marked with replacement lamp information per 40.3(b).*

40.13 A fully sealed luminaire with no user replaceable parts shall be marked "No user serviceable parts. Dispose of luminaire upon failure", or equivalent.

## 2. Electric shock test for isolated, ungrounded low voltage luminaires

### 8.4 Low voltage luminaires

8.4.1 Luminaires rated no more than as follows and marked in accordance with 40.14 are considered low voltage luminaires for the purpose of this standard and are eligible to apply the requirements in this section:

- 15 V sinusoidal AC
- 21.2 V peak non-sinusoidal AC;
- 30 V DC (DC interrupted at a rate from 10 - 200 hz is limited to 12.4 V).

Other requirements of this Standard apply to low voltage luminaires unless specifically exempted in this section.

8.4.2 Luminaires rated in accordance with 8.4.1 and marked in accordance with 40.14 are exempt from the requirements in Sections 18 (Position of Live Parts), 19 (Spacings), 21 (Grounding), and 22 (Bonding).

8.4.3 Luminaires rated in accordance with 8.4.1 and marked in accordance with 40.14 are exempt from the Bonding Millivolt Drop Test (Section 34) and the High Current Test (Section 35), and shall be subject to the Low Voltage Luminaire Electric Shock Test, Section 37A, rather than the Electric Shock Test, Section 37.

8.4.4 The grounding conductor specified in 7.3 or 8.2.2, or the ground conductor termination specified in 8.3.2(b), shall not be provided.

37.1.1 A luminaire shall be investigated with regard to the risk of electric shock with:

- a) Its lens broken;
- b) A ground on either side of an isolated supply; and
- c) The swimmer in contact with the luminaire.

The results are in compliance when the luminaire does not introduce a current density (D) greater than 30 microamperes per square centimeter.

*Exception No. 1: For a luminaire intended to be connected directly to a grounded supply, the current density (D) may be 60 microamperes per square centimeter with the polarity of the luminaire leads reversed.*

Exception No. 2: A low voltage luminaire marked in accordance with 40.14 shall be tested in accordance with the Isolated Low Voltage Luminaire Electric Shock Test, Section 37A.

### **37A Isolated Low Voltage Luminaire Electric Shock Test**

37A.1 This test applies to luminaires rated in accordance with 8.4.1 and marked in accordance with 40.14 for connection only to a suitable isolating low voltage power supply. The results are in compliance when the luminaire does not introduce a current density (D) greater than 30 microamperes per square centimeter.

37A.2 All or a portion of the luminaire lens shall be removed such that water is able to freely flood into the luminaire housing. The luminaire is then to be placed in a tank constructed of nonconductive material, with dimensions as illustrated in Figure 37.3. The copper electrode at the far end of the tank represents a second faulted luminaire supplied by the same source.

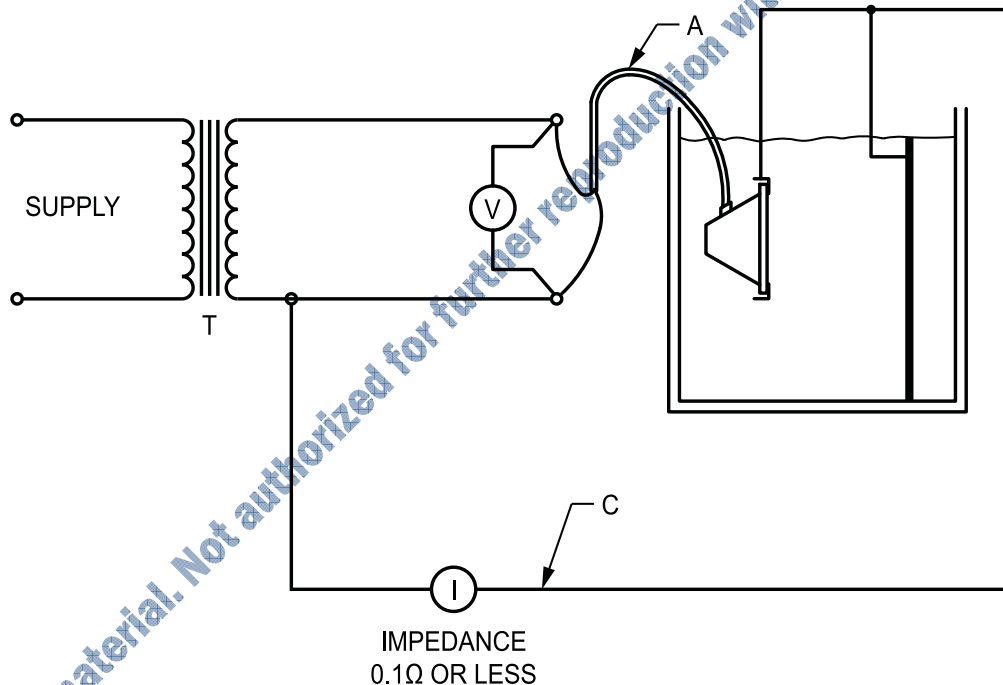
37A.3 The tank is to be filled with water to a height of 71 cm (28 inches). When the luminaire is marked as suitable for use in sea water, the resistivity of the water is to be adjusted to 22 ohm-centimeters;

otherwise, the resistivity of the water is to be adjusted to 300 ohm-centimeters. The resistivity of the water is to be adjusted by the addition of sodium chloride, or an equivalent salt, to tap water.

37A.4 The luminaire is to be connected in the circuit illustrated in Figure 37A.1. The voltage across the supply leads to the luminaire is to be maximum rated voltage. For an LED (or similar) luminaire intended for use with a constant current source, the maximum rated current shall also be supplied. The current (I) that flows from the copper electrode in the water (representing a second, remote luminaire on the same power circuit and with a similar fault condition) is to be observed from the time the luminaire is first energized until the reading becomes stabilized, but for at least 30 minutes. The maximum value of current (I) is to be recorded. The test is then to be repeated with the polarity of the supply leads to the luminaire reversed, and the maximum value of current (I) is to be recorded.

37A.5 The value of current density (D) is to be obtained by dividing the recorded value of the current (I) by the product of the area of the face opening (A) and the luminaire constant (N). The luminaire constant (N) adjusts the total escape current measured to reflect the portion of escape current expected to go through a body in the water (rather than flowing around the body). The luminaire constant (N) shall be 80 for 22 ohm-centimeter water and 20 for 300 ohm-centimeter water.

**Figure 37A.1**  
**Measuring circuit**



su1441

A - Not more than 1.8 m (6 feet) of cord or wire.

C - Not more than 3.0 m (10 feet) total of a copper conductor 3.3 mm<sup>2</sup> (12 AWG) or larger.

T - Isolating power supply.

40.14 A luminaire rated in accordance with 8.4.1 and evaluated in accordance with Section 37A shall be marked "For supply connection, use only an isolating low voltage power supply with ungrounded secondary, listed for swimming pool use." This marking shall be visible during installation.

## BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

### PROPOSAL FOR UL 746A

#### 1. Clarification of HAI Electrodes Contact Point

32.4.1 The test is to be conducted on five specimens. Each specimen, in turn, is to be clamped flat so that the longitudinal axis of the sample is normal to the common vertical plane of the electrodes. The fixed electrode is to be secured in place such that the chisel edge is in firm contact with the top surface of the specimen with sufficient force to ensure the electrode remains stationary during the test, but does not cause significant physical damage to the specimen. The point of contact of the fixed electrode is not to be less than  $4.5$  mm from any edge of the sample. The moveable electrode is to be adjusted such that it contacts the fixed electrode between  $0.75$  to  $1.00$  mm (see "h" in Figure 32.1) above the surface of the specimen. The moveable electrode is then to be secured in position. The equipment is to be adjusted to provide a dwell time of  $100 \pm 20$  ms before electrode withdrawal breaks the circuit and the timing of the arcs is to be adjusted to a rate of 40 complete arcs per minute. The circuit is to be energized and the cyclic arcing started. The test is to be continued until ignition of the sample occurs, a hole is burned through the sample, or until a total of 150 cycles has elapsed.

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